1044b UIC - EAST POPLAR OIL FIELD ENFORCEMENT CASE East Poplar Oil Field SDWA 1431 Region 8 Rolease (n Fell 13563 (Hed Rope Gusset)

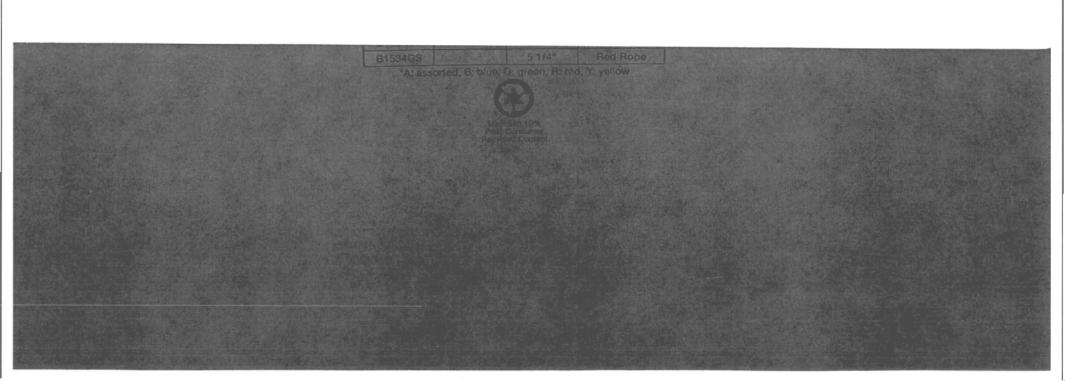
1044b UIC - EAST POPLAR OIL FIELD ENFORCEMENT CASE

SDWA 1431

Folder ID: 13563

1992 Privileged

East Poplar Oil Field Enforcement Case Safe Drinking Water Act §1431 Officer: Nathan Wiser





EPU NO 2 K 7-17-1953

11/6/98

Here are the records hound in BLM files in Miles in Miles in Miles we have broken Sent to we by that think I should ask for all wells on the list. I may how to go there and review myself it, we med more Imports.

A 7 472 1	- U	WIREL IS THE	Sub abandon to st
9-331 A TANK TO SA	UNITED STATES	SUBMIT IN TRIPLICATE.	Form approved, Budget Bureau No. 42-R1424
DEPAR	RTMENT OF THE INTERI	OR (Other Instructions on re-	5. LEASE DESIGNATION AND BERIAL NO.
011110011111	GEOLOGICAL SURVEY	3020212222	14-20-0256-4750 6. IF INDIAN, ALLOTTEE OR TRIBE NAME
(Do not use this form for pr Use "APP	OTICES AND REPORTS (reposals to drill or to despen or plug b LICATION FOR PERMIT—" for such pr	ack of different hervoir.	ewellyn L. Brown et al
OIL GAS OTHE	884	A REC - 1992	7. UNIT AGREEMENT NAME
2. NAME OF OPERATOR	DICT HOLL		NONE S. FARM OR LEASE NAME
Juniper Petroleum (Corporation	BULLING WONT.	Allotted 3047
4. LOCATION OF WELL (Report location Space 17 below.) At surface	Ste. 2410, Denver, CO 8 on clearly and in accordance with any		1-21 0. FIELD AND POOL, OR WILDCAT
1980' FSL & 1980'	FEL Sec. 21, T28N, R51	F MPM	S.W. Poplar
Roosevelt Co., Mor	ntana	OCT 43 1961	Sec. 21, T28N, R51E
14. PERMIT NO.	15. ELEVATIONS (Show whether DF,	RT. GR. eta)	2. COUNTY OR PARISH 13. STATE
59261	2061 GL		Roosevelt Co. MT.
16. Check	Appropriate Box To Indicate N	ature of Notice, Report, or Oth	er Data
	TENTION TO:		T REPORT OF:
TEST WATER SHUT-OFF	PULL OR ALTER CASING	WATER SHUT-OFF	REPAIRING WELL
FRACTURE TREAT	MULTIPLE COMPLETE	FRACTURE TREATMENT	ALTERING CASING
REPAIR WELL	ABANDON*	SHOOTING OR ACIDIZING	ABANDONMENT*
(Other)	CHANGE PLANS	(Other) (Note: Report results of	multiple completion on Well
17. DESCRIBE PROPOSED OR COMPLETED	OPERATIONS (Clearly state all pertinent sectionally drilled, give subsurface location	details and the completion of Recompletic	on Report and Log form.)
Set cast iron bridge plug. Cemen	10 September, 1981 as bridge plug at 5700'. ted top of 5 1/2" csg. evel and an identifying	Dumped two sacks cemen	c out off five
J. J		ABANDONES (ABANDONES)	
	-INAL	ADMARIA	
	FINA	PPA	a factor of inco
	Proprieta	ry/ Confidential I	nronmation
	l l	J. S. Gov't Use U	nly
			•
15. I hereby certify that the foregoing			
(1.4)//			
SIGNED 7. S		ff Production Engineer	DATE October 20, 1981
(This space for Federal or State	office use)		
APPROVED BY CHARLE	ANY:	ADM-MINERALS	DEC 1 9 1984
` \			
U	*C Itt'	D C: 1	

*See Instructions on Reverse Side

(SUBMIT IN QUADRUPLICATE)

TO

NOTICE
THIS FORM BECOMES A
PERMIT WHEN STAMPED
APPROVED BY AN AGENT
OF THE BOARD.

BOARD OF OIL AND GAS CONSERVATION.
OF THE STATE OF MONTANA

BILLINGS OR SHEIRY

RECEIVED

MAC 36-3.18(10)-S18020 MAC 36-3.18(10)-S18030 MAC 36-3.18(10)-S18140 MAC 36-3.18(10)-S18170 MAC 36-3.18(10)-S18200 MAC 36-3.18(10)-S18310 MAC 36-3.18(10)-S18330 MAC 36-3.18(14)-S18380

SUNDRY NOTICES AND REPORT OF WELLS'IS, COMM. (C)

Subsequent Report of Water Shut-off	
Subsequent Report of Shopting, Acidizing, Cementing	
Subsequent Report of Altering Casing	
Subsequent Report of Redrilling or Repair	
Subsequent Report of Abandonment	
Supplementary Well History	X
Report of Fracturing	
Report of Csg. set	X
	Subsequent Report of Shopting, Acidizing, Cementing Subsequent Report of Altering Casing Subsequent Report of Redrilling or Repair Subsequent Report of Abandonment Supplementary Well History Report of Fracturing

October | Following is a AMNEXWAMEMAKENERS (report of work done | XXXXXX | described as follows: on land Allotted No. 3047 East Poplar RooseveltMONTANA..... (County) (Field) T28N C NWSE Well No (Township) (Range) (Meridian) (m. sec.) 1980 1980 {line of Sec.....2] The well is located ft. from { { line and ... LOCATE WELL SITE ACCURATELY ON PLAT ON BACK OF THIS FORM. The elevation of the ground or K.B. above the sea level is

READ CAREFULLY

DETAILS OF PLAN OF WORK

READ CAREFULLY

(State names of and expected depths to objective sands; show size, weights, and lengths of proposed casings, cementing points, and all other important proposed work, particularly all details of Shooting, Acidizing, Fracturing.)

DETAILS OF WORK RESULT

Spudded 3/15/80. Ran & Cmtd 35 Jts. 1411.73' of 8 5/8" 24# csg. set @ 1409'. Ran l guide shoe 5 centralizers 1st 10' above shoe, one on 5th, 10th, 20th & 30 collar. Cmt'd w/Ha-liburton, 675 sxs Med. light 3% $CaCl_2$ 350 sxs Class "G" Cmt 3% $CaCl_2$ for a total of 1025 sxs.

April 1, 1980. 5999' 11 Jts N-80 17#, 138 Jts. 17# J-55. 149' set at t966'. Ran 22 centralizers, 2 cmt. baskets, 60' of scratchers, 1 guide show, 1 float collar. Cmtd w/Halliburton lite, 1/4# flow seal per sxs. 150 sxs Class "G" cmt w/18% salt., .075 CFR2. Rig Released 4/1/80 @ 8:00 AM.

Approved	subject	to	conditions	on	reverse	of	form
pp.o.ca	Jubject	••	Contaitions	0	16.46.36	O.	10.11

Date......0CT. - 7. 1980

District Office Agent

Title

Company JUNIPER PETROLEUM CORPORATION

By Bruce Patterson Duce Falleson

Tille Staff Production Engineer
1660 Lincoln St., Suite 2410
Address ... Denver, ... Colorado 80264

BOARD USE ONLY

API WELL NUMBER'

NOTE:—Reports on this form to be submitted to the appropriate District for approval

WHEN USED AS PERMIT TO DRILL, PERMIT EXPIRES 90 DAYS FROM DATE OF APPROVAL IF WELL NOT SPUDDED OR EXTENSION REQUESTED.

OVER



Locate well by footage measurement from legal subdivision (Section) line and nearest drilling or producible well, if any.

Form No. 2 File at Billings or Shelby	Rge5	-/ <u>E</u>	Form No. 2 File at Billings or Shelby
Locate Well Correctly Twp. 28	a		-
	•		

THE NOTICE OF INTENTION TO DRILL THIS WELL IS APPROVED SUBJECT TO THE FOLLOWING CONDITIONS:

SCALE-1"=2000"

- i. Any person, before commencing the drilling of any oil or gas well or water source or injection well shall secure from the Board a drilling permit and shall pay to the Board the following amounts: for each well whose estimated depth is thirty-five hundred (3,500) feet or less, twenty-five dollars (\$25.00); from thirty-five hundred and one (3,501) feet to seven thousand (7,000) feet, seventy-five dollars (\$75.00); seven thousand and one (7,001) feet and deeper, one hundred fifty dollars (\$150.00).
- 2. No well is to be spudded in unless the proper surety drilling bond has been posted and approved by the Board of Oil and Gas Conservation of the State of Montana.
 - 3. Cable tool operators must construct an adequate sump to contain all mud and water bailed from the hole.
- 4. Surface or conductor casing must be properly comented by an approved method and pressure tested to determine a tight bond with the surrounding formations in case an unexpected flow of oil, gas or water should be engountered, unless special permission has been granted for formation shut-off.
- 5. Any production casing must be comented unless a formation shut-off or packer is approved by the Board. Sufficient coment must be used to protect the casing and all possible productive and fresh water bearing formations exposed in the process of drilling and not otherwise protected.
- 6. All production casing must be tested by bailing or pressure to determine if there is a tight bond with the surrounding formations or possible leaks in the casing. The results of the test must be reported on Form No. 2, said report to include the size, weight, thread and length of casing, amount of cement used, and date work is done. If test shows failure, the defect must be corrected before any drilling operations are resumed.
- 7. Any contemplated change in status of a well such as to plug and abandon, deepen, plug back, redrill, after casing, etc. must be presented on Form No. 2 for approval by the Board prior to commencement of work.
- 8. A satisfactory drilling record must be kept for each tour, showing top and thickness of each and all formations drilled and all other information of value, one copy of which is to be kept at the rig while drilling is in progress for examination by any authorized agent of the Board.
- 9. All producing wells must be marked with name of the operator, number of the well and location, using reasonable precautions to preserve these markings at all times.
- 10. Delivery to the Board of two copies of all surveys, reports, analyses, logs, tests, samples and core descriptions, etc., as described in Rule 230 and one copy of all cementing records as furnished by the cementing company and described in Rule 234.
- 11. All work must be done in conformity with the regulations of the Board of Oil and Gas Conservation of the State of Montana, as contained in "General Rules and Regulations," and amendments thereto, as well as regulations prescribed in lieu thereof.

UNITED STATES DEPARTMENT OF THE INTERIOR

IN TYPE OF WELL:

3. ADDRESS OF OPERATOR

15. DATE SPUDDED

20. TOTAL DEPTH, MD & TVD

35. LIST OF ATTACHMENTS

3/15/80

2. NAME OF OPERATOR

b. TYPE OF COMPLETION:

28. TYPE ELECTRIC AND OTHER LOGS BUN

Bruse M. Pattersom

				•			
							Rad 53
•		NITED STA			DUPLICATE • (See other in-		rm approved. dget Bureau No. 42-R355.5.
		ENT OF TH		OR	structions on reverse side)	5. LEASE DESI	UNATION AND SERIAL NO.
	GEO	LOGICAL SU	RVEY			14-20-	0256→4750
WELL COM	APLETION OR	RECOMPLET	ION REPOR	TANE	LOG*	B. IV INDIAN.	ACLOTTER OF THUE NAME
TYPE OF WELL	OIL X	GAS DE	ay Other	wiji sar G	COVERA	7. UNIT AU BE	- CAST
TYPE OF COMPL			一段图形 。	I Wa	~ ~ · · ·	27	Name
NEW D	WORK DEEP- DEEP-	BACK BEST	vii. Other		~ k.J	S. PARM	HAR NAME 1985
NAME OF OPERATOR			907 %	0501		Alleto	ECT 3047 VED SS
•	troleum Corpo	oration	- Sillinge,			D. WELL CO	STATE OF MONT
ADDRESS OF OPERA		0410			4	142	BILLINGE LES
		2410, Denver				10. PIELD ACT	POOL, OR WILDCAT
	(Report location clea	rly and in accordance	ioith any State re	quirements:	ı)•	ş. W. 7	10 C
At surface 1980	FSL & 1980 F	FEL Sec. 21,	T28N, R51E,	MPM		11. SEC., T., R., OR AREA	u of block and subset
At top prod. inter	val reported below	Roosevelt	Co., Monta	ana		6. 01	T004 0515
AA AAAA danah						Sec. 21,	T28N, R51E
At total depth		1.1. ne	RMIT NO.	DATE I	eat, ku	12. COUNTY OF	13. STATE
		1				PARISH	
DATE SPUDDED	18 DATE TO REACHE	592			ch 5, 1980		t Montana 10. ELEV. CASINGHBAD
/15/80	3/30/80	6/13/80		2061		T, UR, ETC.)	2061
TOTAL DEPTH, MD A			. IF MULTIPLE CO.		23. INTERVALS	BOTARY TOOLS	
5966	592	i	HOW NYZA.	· .	DHILLED BY	0-5966	1
		ETION-TOP, BOTTOM,	NAME (MD AND T	VD) •		0 0300	25. WAS DIRECTIONAL
5902-5918.	Charles C-2	Zone, Missis	sippian				SURVEY MADE
TYPE ELECTRIC AN	D OTHER LOGS BUN					2	T. WAS WELL CORED
Dual Later	log, GR/CNL/I	FDC					NO
	 	CASING RECO	RD (Report all atr	rings set in	well)		
CABING BIZE	WEIGHT, LB./FT.	DEPTH SET (MD)	HOLE SIZE		CEMENTING	RECORD	AMOUNT PULLED
8 5/8"	24#	1409	13 3/4"	102	5 sxs Circ	. to sfc.	
5 1/2"	17#	5966	7 7/8"		0 sxs		
	-		l ————				

29. LINER RECORD 30. TUBING RECORD BOTTOM (MD) DEPTH SET (MD) BIZE TOP (MD) BACKS CEMENT* SCREEN (MD) SIZE PACKER SET (MD) 2-778 575T 31. PERFORATION BECORD (Interval, size and number) ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC. DEPTH INTERVAL (MD) AMOUNT AND KIND OF MATERIAL USED 5902-5918, 4 jets per ft., 23 gram charges 2300 gals of 15% HCL (Acidized) 6000 gals 28% HCL & 400 gals gel wtr. 10000 gals 15% HCL (Acid frac 33.* PRODUCTION PRODUCTION METITIOD (Flowing, que lift, pumping-size and type of pump) well status (Producing or Shut IN (part'd rods) 6/13/80 Pumping 1 1/2" X 8' DATE OF TEST HOURS TESTED CHOKE SIZE PROD'N. FOR OIL-BBL. WATER-BBL. UAS-OIL BATIO HAN-MCF. TEST PERIOD 6/13/80 24 6 1/2 0 98 PLOW, TUBING PRESS. CASING PRESSURE CALCULATED GAS-MCF. WATER-BEL OIL GRAVITY-API (COBB.) 24-HOUB RATE 37.50 @ 65°F 34. DISPOSITION OF OAS (Sold, used for fuel, vented, etc.) TEST WITNESSED BY

36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records

(See Instructions and Spaces for Additional Data on Reverse Side)

TITLE Staff Petroleum Engineer

10/3/80

HALLIBÜRTON

REMIT 10 P O BOX 84737 DALLAS, TEXAS 75284

State

INVOICE 813301

DIRECT ANY CORRESPONDENCE TO
P. O DRAWER 1431
DUNCAN, OKLAHOMA 73533

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	•		•	TYPE AND PUN	POSE OF JOB					We
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2001-016			Pump CH9	•	5912			1		
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	Form \$-331 C			SUBMIT IN TRU	Rudget Ruman Ma 49 D1494
	(Mar 1963)	UNIT	TED STATES	(Other lostruct	
			T OF THE INTER	JOR	S. LEADS DESIGNATION AND BERLAL BO.
		GEOLO	GICAL SURVEY		14-20-025604750
	APPLICATION	N FOR PERMIT T	TO DRILL, DEEPE	N OR PLUG P	BACK 6. IF INDIAN, ALMOTTER OR TRIOR PANE
	la. TIPE OF WORK				Lewellyn L. Brown et
	DRII	IILL 🖾	DEEPEN 🗆	PLUG BAC	OK . T. ENT AGREEMENT PAWE
	B, TYPE OF WELL	··•		Nette D. S. Getting	None None
	OIL WELL WE WE OF SHATOR	NELL OTHER		" TYEETE	IVE DEATTOCKED 3047
	- <i>I</i>	ETROLEUM CORPORA	ATION	_ F50xc	9. WELL 20.
	3. ADDRESS OF OPERATOR			- TEV 16	े 1980 - ठी -21 ==
	1660 Linco	oln St., Suite	2410 Denver, Col	orado 80266 s, N	
	At surince		d in accordance with any St		S. W. Poplar
		_	Sec. 21, T28N, R	(51E, MPM	ARD SURVET OR AREA
	At proposed prod. sone	ROOSEVEIT I	Ço., Hontana		Sec. 21, T28N R 51E
	4. DISTANCE IN MILES	AND DIRECTION PROM SE.	AREST TOWN OR POST OFFICE	,	12. COUPTY OR PARMER 18, STATE
	62 2.12	-			Roosevelt Hontana
	AD. DISTANCE FROM PROPULATION TO MEAREST	VEED*	16. HO	O. OF ACRES IN LEASE	17, NO. OF ACES ASSESSED
:	PROPRATY OF LEARS 1	LIFE, FT. ig. upit line, if any:	1980'	80	. 40 :
	16 CIPTING PROM PROPE	BOARD LOCATIONS	. 1	SOPOSED DEPTE	20. BOTAST OR CASLE TOOLS
		BEILLING, COMPLETED, HIS LEASE, FT.	N.A	6000'	Rotary
	21. ELEVATIONS (Show who				22. APPROX. DATE WORK WILL START
		imated 2100' gro			March 1, 1980
	23.	P	PROPOSED CASING AND	CEMENTING PROGRA	
	SILE OF HOLE	BIZE OF CABING	WEIGHT PER FOOT	SETTING DEPTH	QUARTITY OF CRMENT
	13 5/8	8 5/8"	32±	1400'	600 sxs
. •	7 7/8"	5 1/2"	15.5= E 17.0=	6000'	500 sxs
	·		1	1	
	it is proposed	to drill appro	· wimatelv 6000' '	to test the Cha	arles "C" zone for oil
					cemented with 600 sxs of
	cement to prote	ect domestic aqu	quifers. If succ	cessful, approx	ximately 6000' of 5 1/2"
					n will be attempted by
					uncommercial, the well will
	be plugged with		· . iud per y	jovernment regu	ulations and the surface $$
	restored as red	jurrea			
		4 🚄 🚬	· · · · · · · · · · · · · · · · · · ·	4= 4ha lonat	tion of both sites and the foll
			is no objection	n to the ±0000	met by the contractor.
	NY	addi			
		* • •/	to knile th	me top soil (up	pper 8 inches) for weifor
	7		replacement	when necessary.	/•
			•		•
	IN ABOVE BPACE DESCRIBE	SE PROPOSED PEC	2. Upon complet	ion of operati	ion, drilling site, tank
	some. If proposal is to preventer program, if an	o drill or deepéo	pattery site	e, and access r	road will be restored to its
	24.		present use-	cropland.	
				<u> </u>	
	(This space for Pedr	deral or State office use)		•	
	PERMIT NO.		-	APPROVAL DATE	
	·-·	4 114/	1_1	Jane 19 Franket B	ENGINEER 2-4-RO
	APPROVED DI ZZE	Wer R. IL	tmis_	· · · · ·	MTR TO DO
	CONDITIONS OF APPROX	OVAL. IT ANT : SEE ATTA	ACHED		•
	•				•
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"See Instructions On Reverse Side

UNITED STATES SUBMIT IN TRIPLICATES DEPARTMENT OF THE INTERIOR SHOW HAVE

GEOLOGICAL SURVEY

14-29-9256-4750

SUNDRY NOTICES AND REPORTS ON WELLS

Ger"	of projection to drill of to dospon APPLICATION FOR PERSON	dest bare base.	. To a differentit terretrials wide.s	Lewellyn L. Berwhigt
with The work T	·T11168		٠	Hone
NAME OF OPERATOR				- PARN OR LEASE NAME
JUNIPER PETROLEUM	CORPORATION	4:	restricted	Allotred 3047-
1660 Lincoln St.	Ste 2410 Denver	_Colorado	80264	10 Peter Su mon, on with at
	EL Sec. 21, T28N,	R51E, MPM	1	S. W. Poplar
Roosevelt County.	Montana			Sec. 21, T28N, R51E
PFERST No.	15. ELEVATIONS (Show	whether of, at	, GR, etc.)	12 con NY OR PARISH 13, STATE
59261	2061_GL			Roosevelt : Montana
Ch	eck Appropriate Box To I	ndicate Nat	ure of Natice, Report, or	Other Data
Source	W INTENTION TO	;	3048	EGFENT REPORT OF:
TEST WATER SHITT-OFF	PULL OR ALTER CASING		WATER SHUT-OFF	HEPAIRING WELL
FROM THE THEAT	MI LTIPLE OWNER FOR	- !	PRACTURE TREATMENT	ALTERING FARING
- III-MIT UR ACIDIRE	104NterN*	X .	SHOUTING OR ACIDIZING	*BANEMIN MENT*
PAGE VELL	energy Phase	·	10ther)	
117]1			Norte: Report resu	its of multiple suspiction on Well milietton Report and Lie form.
	Abandon subject we cast iron bridge of			
to plug Charl	es C-2, Perfs: 590	2-5913.		
Load hole wit	h brine and set 10	sxs surf	ace plug.	
 Cut of 2 5/8" restore to or 	and 5 1/2" casing iginal contour.	s below o	iow level, weld o	n plate and
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hereby certify that the for	egoling is true and correct			
t being certify that the for	N. Z. Oll	ITLE A		

*See Instructions on Revene Side

CONDITIONS OF APPROVAL, IF ANY:

DEPARTMENT OF THE INTERIOR CHARGE AND THE

SUBMIT IN TRIPLE ATE.

THANK SUSPENSION ON PERIOR NO 14-09-0277-1753

. . . .

	GEOL	OGICAL	SURVEY		
SUNDRY	NOTICES	AND	REPORTS	ON	WELL

Libertian L. Brown et al The contract of the contract of the depth of the design of the contract of the T. CALL ASSESSMENT NAME. __ -- DRY HOLE None Juniper Petroleum Corporation 1660 Lincoln St., Ste. 2410. Denver, CO 80264 - 2498 (so these with any State requirements) and in accordance with any State requirements. See area space 17 below: S. M. Poplar 1980' FSL & 1980' FEL Sec. 21, T28N, R51E, MPM Roosevelt Co., Montana Sec. 21. T28N, 251E 10 PLEVATIONS of how whether the, we are, vie. 2 12. POPATY OF PARISH 13. STATE 2061 GL _____Roosevelt in MI

Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTESTION TO: SUBSEQUENT REPORT OF: IFST WATER SHITTOFF FT 11 OR ALTER 1 ASING HERRIE COMPLETE PRACTICAL TREATMENT ARISE TARKET TREET ATTERING PARING SHOOTING OR ACIDIZING ARASIMIS* ARANININ MENT Note; Report results of multiple completion on Well Considerion or Recoins often Report and Log Form

need of our control to order to specify state all perturbed details, and give perturbed dates beneding estimated date of starting one specifies. If well is three early finited, give subsurface locations and moreover, and true vertical details for all nurkers and notes perturbed in the control of the contr

Hell was plugged on 10 September, 1981 as follows:

Set cast ironsbridge plug at 5700'. Dumped two sacks cement on top of pridge plug. Cemented top of 5 1/2" csg. with 10 sx. Casing was cut off five feet below ground level and an identifying marker was welded to the casing top.

. . I hereby certify that the foregoing is true and correct TITLE Staff Production Engineer DATE October 20, 1981 . This space for Cederal or State office use) COMPUTIONS OF APPROVAL, IF ANT:

*See Instructions on Reverse Side

WELL HISTORY

WELL NO .:

East Poplar Unit No. 72

LOCATION:

SW SE Section 22, Township 28 North, Range 51 East

CONTRACTOR:

Zach Brooks Drilling Company

ELEVATION:

2145' Ground ~ 2157' K.B.

SPUDDED:

8:00 A.M., March 16, 1956

COMPLETED:

2:00 A.M., April 8, 1956 (Plugged and Abandoned)

TOTAL DEPTH:

5899' Schlumberger equals 5898' Driller

CASING:

9-5/8" @ 1060.33' with 400 sacks cement

TUBING:

None

PERFORATIONS:

None

PA CKER:

None

ACID TREATMENT:

None

INITIAL POTENTIAL:

Plugged and Abandoned

TYPE COMPLETION:

Plugged and Abandoned

RECEIVED

APR 1 4 1956

OIL AND GAS CONSCRVATION COMMISSION OF THE STATE OF MONTANA - BILLINGS

COMPLETION DATA

CASING: Ran and cemented 33 jts. (1048.83') of 9-5/8", 32#, H-40, 8rd. thd., R-2, ST&C, American casing. Landed 11.50' below RKB at 1060.33'. Howco float shoe on bottom and Howco centralizer at 1045'. Cemented with 400 sacks of Ideal regular cement with 2 percent CaCl2. Circulated approximately 50 sacks of clean cement. Bumped plug with 1000#, released pressure, float held ok. Job complete at 4:00 P.M., 3-18-56. Tested 9-5/8" casing and blowout preventers with 1000# for 30 minutes, held ok.

COMPLETION: Plugged and abandoned 4-8-56. Plugged as follows-Plug #1, 5850'-5775', 30 sacks Slo-set cement.
Plug #2, 5754'-5829', 50 sacks Slo-set cement.
Plug #3, 5580'-5455', 60 sacks Slo-set cement.
Plug #4, 5366'-5210', 60 sacks Slo-set cement.
Plug #5, 4910'-4990', 35 sacks Slo-set cement.
Plug #6, 830'-900', 30 sacks Slo-set cement.
Bottom of 9-5/8" surface casing.

Plug #7, 8 sacks cement top of 9.5/8" surface casing.
Rig released at 2:00 A.M., 4-8-56.

ELECTRO LOG DATA

LOG TOPS

'	
Eag160000001227	(+ 930)
Niobrara	(+77)
Greenhorn-wassessessessessessessessessessessessesse	(-270)
Graueros2636	(-479)
Muddy Sands to news-seems 3000	(-843)
Dakota	(-1068)
Swiftmananananananananananananananananananan	(-1527)
Vanguard	(-1855)
Rierdon4197	(-2040)
Piper Shalo4357	(-2200)
Gypsum Springs4520	(~2363)
Spearfish4728	(-2571)
Amaden4820	(-2663)
Heath4932	(-2 775)
Otter	(-2940)
Kibbey Sandstone 5238	(-3081)
Kibbey Limestone	(-3229)
Madison5486	(-3329)
"A" Zone5580	(-3423)
"B-1" Zone	(-3554)
"B-2" Zone5728	(-3571)
HCH Zonessassassassassassassassassassassassassa	(-3714)
A 10112	(-0174)

DRILL STEM TESTS

- D.S.T. #1: 5842*-5881.5*, Halliburton straddle packer test, on show on fractured planes above the "C" Zone Intercrystalline, 1/2" bottom choke, no water cushion. Tool open 2 hours, shut in 30 minutes. Tool opened with very weak blow, continued for one hour and then died. Recovered 5' drilling fluid, no show of oil, gas, or water. IBHFP--15#, FBHFP--15#, BHSIP--68#, Hydro--3365#.
- D.S.T. #2: 5864'-5872', ("C" Zone Intercrystalline porosity), Halliburton single packer test, 1/2" bottom choke, no water cushion. Tool open 4 hours, shut in 30 minutes. Tool opened with weak blow and continued throughout test. Recovered 90' gas, 150' slightly oil-and-mud-cut salt water. IBHFP---15#, FBHFP---65#, BHSIP---2995#, Hydro---3365#.
- D.S.T. #3: 5706'-5722', ("B-1" Zone), Halliburton straddle packer test (drill collars for tail pipe), 1/2" bottom choke, no water cushion. Tool open 4 hours, shut in 30 minutes. Tool opened with very weak blow, decreased to bubble at end of test. Recovered 630' slightly muddy salt water with trace of gas, no show of oil. IBHFP--15#, FRMFP--195#, BHSIP--0#, Hydro--3365#, bottom packer held ok.

Form No. 2 "" (SUI GENERAL RULES 201, 202, 213, 216, 219, 233.1 OII AND GAS

(SUBMIT IN QUADRUPLICATE)

TO

OIL AND GAS CONSERVATION COMMISSION OF THE STATE OF MONTANA BILLINGS OR SHELBY

N O T I C E!
THIS FORM BECOMES A
PERMIT WHEN STAMPED
APPROVED BY AN AGENT
OF THE COMMISSION.

SUNDRY NOTICES AND REPORT OF WELLS

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Notice of Intention to Drill	xx	Subsequent Report of Water Shut-off	£
Notice of Intention to Change Plans		Subsequent Report of Shooting, Acidizing, Cementing	,
Notice of Intention to Test Water Shut-off		Subsequent Report of Altering Casing	
Notice of Intention to Redrill or Repair Well		Subsequent Report of Redrilling or Repair	
Notice of Intention to Shoot, Acidize, or Cement		Subsequent Report of Abandonment	
Notice of Intention to Pull or Alter Casing		Supplementary Well History	
Notice of Intention to Abandon Well		Report of Fracturing	
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NOTE:—Reports on this Form to be submitted to the District Agent for Approval in Quadruplicate.

WHEN USED AS PERMIT TO DRILL, THIS EXPIRES 90 DAYS FROM DATE OF APPROVAL

15M--5-55

OVER

good we

Poor Quality Source Document

The following document images have been scanned from the best available source copy.

To view the actual hard copy, contact the Region VIII Records Center at (303) 312-6473.

Locate well by footage measurement from legal subdivision line, lease or property

line and nearest drilling or producible well, if any. Form No. 2 Form No. 2 . File at File at Billings Billings or Shelby or Shelby Locate Locate Léase Well Boundary Correctly 781V 13311.30 (Y500) [D881-base (S-J]8911 (1 72 Q والأراكية والمراجع أرازات از تنان 3.1 1:1 ... SCALE--1"=2000°

THE NOTICE OF INTENTION TO DRILL THIS WELL IS APPROVED SUBJECT TO THE FOLLOWING CONDITIONS:

- 1. Any person, before commencing the drilling of any oil or gas well, shall secure from the commission a drilling permit and shall pay to the commission therefor for the following amounts: for each well whose estimated depth is thirty-five hundred (3500) feet or less, twenty-five dollars (\$25.00); from thirty-five hundred and one (3501) feet to seven thousand (7000) feet, seventy-five dollars (\$75.00); seven thousand (7000) feet and deeper, one hundred (fifty dollars (\$150.00).
- 2. No well is to be spudded in unless the proper surety drilling bond that been posted and approved by the Oil and Gas Conservation Commission of the State of Montana.
- 3. Cable tool operators must construct an adequate sump to contain all mild and water balled from the hole.
- 4. Surface or conductor easing must be properly cemented by an approved method to act as a tie in case an unexpected flow of oil, gas, or water should be brountered, unless special permission has been granted for formation shut-off.
- 5. Any contemplated change in status of a well-drok us to plug and abandon, deepen, plug back, redrill, after casing, etc., must be presented on Sundy Nollogs and Report of Wells form for approval by agent prior to commencement of work.
- All substantial showings of oil or gas must be tested for commercial possibilities before drilling ahead. Each such showing must be adequately
 protected by casing, mud or cement, as drilling progresses.
- 7. The production string must be cemented unless a formation shut-off or packer is approved by the agent. Sufficient cement must be used to protect the easing and possible productive formation exposed in the process of drilling not otherwise protected.
- 8. All production strings of easing must be tested by bailing or pressure to determine if there is a tight bond with the formation or possible leaks in the easing. The results of the test must be reported on Sundry Notices and Report of Wells form, said report to include the size, weight, thread and length of easing, amount of coment used, and date work is done. If test shows failure, the defect must be corrected before any drilling operations are resumed.
- 9. A satisfactory drilling record must be kept for each tour, showing top and thickness of each and all formations drilled and all other information of value, one copy of which is to be kept at the rig while drilling is in progress for examination when an agent visits the well.
- 10. All producing wells must be marked with name of the operator, number of the well, and location, using reasonable precautions to preserve these markings at all times.
- 11. Copies of all directional surveys; electrical logs, or tops from electrical log if electric survey is run, formation tests, and cementing record, as furnished by the cementing company, etc., must be filed with the State Inspector of the district together with four copies of the log, upon completion of the well.
 - 12. All work must be done in conformity with the regulations of the Oil & Gas Conservation Commission of the State of Montana, as contained in "General Rules and Regulations," and amendments thereto, as well as regulations prescribed in lieu thereof,

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(SUBMIT IN TRIPLICATE)

OIL AND GAS CONSERVATION COMMISSION OF THE STATE OF MONTANA
BILLINGS OR SHELBY

APR 10 1956

LOG OF WELL

OF THE STATE OF PARTIES

								or the chile () .	1.1584
Company	MURPHY COI	RPORATION		Le	ease E.P.	U. A11c	tted-1-	37-Ind-12954_W	/ell No72
Address_60	2 Midland 1	Bank Bldg	, Billin	gs, Monta	na_Fie	ld (or Ar	ea) Eas	t Poplar	
The well is lo	ocated 660	ft. from	(S) line ar	nd_1979	ft. fro	(E) om (XX)	line of Sec	. 22	
Sec. 22	; T28N	, R	51E	; County					2157' K.B.
Commenced	drilling Mar	ch 16		, 19	56; Oz	explored &	Abandone		(D.F., R.B. or G.L.) 19_56
The info	ormation given	herewith is te.	a complete	and correct	t record	of the wel	l. The sun	nmary on this page	is for the condition
Completed a	s dry	hole	hole)		Signe	1 /6	ande	Harold Milam	-
					Title_	Divisi	on Produ	ction Superin	tendent
					Date_	April	. 13, 195	56	
		(1		RTANT Z					
From	to			as by G, w				if known)	
	to								
	to								
	to								
Troni					- 110		10		
				CASIN	G RECO	ORD			
Size Casing	Weight Per Ft.	Grade	Thread	Casing	Set	From	То	Sacks of Cement	Cut and Pulled from
9=5/8"	32#	H=40	8	1060,33	1		-		
				TUBIN	G RECO	ORD			
	Size Tubin		eight or Ft.	Grade	Threa	d A	mount	Perforations	
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				COMPLET					
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Total depth_	5899 ft.;	Plugged b	ack to		T.D.;	Open hol	e from	to.	
	PERFORAT	TIONS		l		ACIDIZED,	SHOT, SAND	FRACED, CEMENTED	ED
From	To	Number Size and	and Type	From	nterval To	,	Amo	unt of al Used	Pressure
							,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	APR 14 195	
									COMMISSION BILLINGS
				TATE A V	PROPER	CTION (If P&A show	Ched Page 2 fo	r plugging)
				INITIAL					
Well is prod	lucing from				(pool)	formatio	n.		
I. P	ba	rrels of oil	per	==_h	ours	oumping or i	flowing)		
	M				irs.				
	barre	is of water	per		hours, o		9	% W.C.	
15M-5-55				,	O'LLIL)				

INITIAL PRODUCTION—(Continued)

nitial 10-day	average pr	oduction		(bbl./day)	(if taken)		
_				il flowing;		psi	shut-in
		Casing	ps	i flowing;		psi	shut-in
ravity	°	API (corrected t	to 60° F.)				

DRILL STEM TESTS

D.S.T. No.	From	То	Tool Open (Min.)	Shut-In	F.P.	S.I.P.	Recovery	Cushion
				See	attached	Page 4		

LOGS RUN

Туре	Inter From	rvals !	
Туро	From	То	
See attached Page 3			

FORMATION RECORD

From	To	SAMPLE AND CORE	NO. AND DESCRIPTION		Top of Formation
		. 1			
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		See	attached		
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Form No. 2 GENERAL RULES 201, 202, 213, 216, 219, 233.1

(SUBMIT IN QUADRUPLICATE)

TO

N O T I C E ! THIS FORM BECOMES A PERMIT WHEN STAMPED APPROVED BY AN AGENT OF THE COMMISSION.

OIL AND GAS CONSERVATION COMMISSION OF THE STATE OF MONTANA BILLINGS OR SHELBY

SUNDRY NOTICES AND REPORT OF WELLS

1 5	Notice of Intention to Drift	Subsequent Report of Water Suit-off	
	Notice of Intention to Change Plans	Subsequent Report of Shooting William	Cemanting
l i	Notice of Intention to Test Water Shut-off	Subsequent Report of Altering Casing	2,00
1 7	Notice of Intention to Redrill or Repair Well	Subsequent Report of Redrilling or Re-	PATATION COMMISSICS
1 '	Notice of Intention to Shoot, Acidize, or Cement	Subsequent Report of Abandoppenton	MORTANA PULLINGS
1 '	Notice of Intention to Pull or Alter Casing	Supplementary Well History	X
1 '	Notice of Intention to Abandon Well	Report of Fracturing	
'	(Indicate Above by Check M	ark Nature of Report, Notice, or Other Data)	· · · · · · · · · · · · · · · · · · ·
		Ма	rch 20 19.56
Followi	ing is a {report of work done } on la	and leased described as follows:	,
	,	LEASE Allatted	1-37-Ind-12954 (3687)
		n	
	MONTANA(State)	(County)	
	TO SUSE STATE OF	2011 =	18 W D W
Well No	o 72 SH SE Section 22 (m. sec.)	(Township) (R	ange) (Meridian)
		• • • • • • • • • • • • • • • • • • • •	• • • • • • • • • • • • • • • • • • • •
The we	ill is located660ft. from { XX Sout	th line and 1979 ft. from	East.line of Sec
(Loc	ate accurately on Plat on back of this form the well loc	ation, and show lease boundary.)	
	4		
The ele	evation of the derrick floor above the sea level	is2157.'. K.B.	
READ	CAREFULLY DETAILS	S OF PLAN OF WORK	READ CAREFULLY
	te names of and expected depths to objective sands; show	- · · · · · · · · · · · · · · · · · · ·	
	nd all other important proposed work, particularly all d		
	DE [*]	TAILS OF WORK	•
		RESULT	
			•
	Spudded at 8:00 A.M., 3-16-56. 32#, H-40, 8rd. thd., R-2, ST&C,		
	at 1060.33'. Howco float shoe a		
	mented with 400 sacks of Ideal 1		
	lated approximately 50 sacks of		
	leased pressure, float held ok.		
	toused probleme, 11out next on.		• •
•	•		to be migrative in . In
1.40 .	1-1000		
VIII.	noved 7. S. S. S. 3-21-56 red subject to conditions on reverse of form	Company MIR PHYCORPORA	TTON .
	•	Company Fixe In I. Content	``'/7
Date.	3/x3/12	By Maria In	<u> </u>
(ualota hitsu.	

NOTE:—Reports on this Form to be submitted to the District Agent for Approval in Quadruplicate.

District Office Agent

TitleDivision Production Superintendent

Address...602.Midland.Bank.Bldg,...Billings,...Mont.

Locate well by footage measurement from legal subdivision line, lease or property line and nearest drilling or producible well, if any.

Form No. 2		Rge. <i>5./.</i> 7		ne wen, n an		Form No. 2 File at
Billings or Shelby						Billings or Shelby
				•	1	
96.1.1.709						<u></u>
Locate listed on Active and the list.	1,3.		*********			Locate Lease
Correctly						Boundary
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Hotted 1-37-Jad-12954 (36.7)					·	• •
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	•	, , 15 t				•
en e Angle de ac		., . SCALE—	-1"=2000'			

THE NOTICE OF INTENTION TO DRILL THIS WELL IS APPROVED SUBJECT TO THE FOLLOWING CONDITIONS:

- 1. Any person, before commencing the drilling of any oil or gas well, shall secure from the commission a drilling permit and shall pay to the commission therefor for the following amounts: for each well whose estimated depth is thirty-five hundred (3500) feet or less, twenty-five dollars (\$25.00); from thirty-five hundred and one (3501) feet to seven thousand (7000) feet, seventy-five dollars (\$75.00); seven thousand (7000) feet and deeper, one hundred fifty dollars (\$150.00).

- 4. Surface-or conductor casing must be properly cemented by an approved method to act as a tie in case an unexpected flow of oil, gas, or water
- should be encountered, unless special permission has been granted for formation shut-off.

 5. Any contemplated change in status of a well such as to plug and abandon, deepen, plug back, redrill, alter casing, etc., must be presented on Sundry Notices and Report of Wells form for approval by agent prior to commencement of work.
- 6. All substantial showings of oil or gas must be tested for commercial possibilities before drilling ahead. Each such showing must be adequately protected by casing, mud or cement, as drilling progresses.
- 7. The production string must be cemented unless a formation shut-off or packer is approved by the agent. Sufficient cement must be used to protect the easing and possible productive formation exposed in the process of drilling not otherwise protected.
- 8. All production strings of casing must be tested by balling or pressure to determine if there is a tight bond with the formation or possible leaks in the casing. The results of the test must be reported on Sundry Notices and Report of Wells form, said report to include the size, weight, thread and length of casing, amount of cement used, and date work is done. If test shows failure, the defect must be corrected before any drilling operations are resunted.
- 9. A satisfactory drilling record must be kept for each tour, showing top and thickness of each and all formations drilled and all other information of value, one copy of which is to be kept at the rig while drilling is in progress for examination when an agent visits the well.
- 10. All producing wells must be marked with name of the operator, number of the well, and location, using reasonable precautions to preserve these markings at all times.
- 32.411. Copies of allidirectional surveys, electrical logs, or tops from electrical log if electric survey is run, formation tests, and cementing record, as furnished by the cementing company, etc., must be filed with the State Inspector of the district together with four copies of the log, upon completion of the well.
 - 12. All work must be done in conformity with the regulations of the Oil & Gas Conservation Commission of the State of Montana, as contained in 'General Rules and Regulations," and amendments thereto, as well as regulations prescribed in lieu thereof.

(SUBMIT IN QUADRUPLICATE)

NOTICEI

OIL AND GAS CONSERVATION COMMISSION (1) BILLINGS OR SHELBY

SUNDRY NOTICES AND REPORT OF WELLS FEB 11 1057

Notice of Intention to Drill	Subsequent Report of Water Shat-off 111 Will's	1001
Notice of Intention to Change Plans	Subsequent Report of Shooting, Acidizing, Cementing	_
Notice of Intention to Test Water Shut-off	Subsequent Report of Altering Casing	
Notice of Intention to Redrill or Repair Well	Subsequent Report of Redrilling or Repair	
Notice of Intention to Shoot, Acidize, or Cement	Subsequent Report of Abandonment	X_
Notice of Intention to Pull or Alter Casing	Supplementary Well History	
Notice of Intention to Abandon Well	Report of Fracturing	

	<u> </u>	· .
(Indicate Abov	e by Check Mark Nature of Report, N	
,		April 10 19 56
Following is a report of work done	on land { (COCCIO) desc	ribed as follows:
(report of work doing	I	LEASEAllotted1-37-Ind-12954(3687).
MONTANA	Roosevelt	East Poplar
(State)	(County)	(Field)
Well No72 SW SE Section 2	22	ship) (Range) (Meridian)
The well is located660ft. from	South line and1979	ft, from East.line of Sec. 22
(Locate accurately on Plat on back of this form	• • •	,
The elevation of the derrick floor above th	ne sea level is2157! K.B	
READ CAREFULLY	DETAILS OF PLAN OF WO	RK READ CAREFULLY
(State names of and expected depths to objectionints, and all other important proposed work, par		ths of proposed casings; indicate mudding jobs, cementing Acidizing, Fracturing.)
	DETAILS OF WORK	• • • • • • • • • •
	RESULT	•*
	0 4050 94 1 0-	1 ·
Plug #2, 5754'-5629', 6 Plug #3, 5580'-5455', 6 Plug #4, 5366'-5210', 6 Plug #5, 4910'-4990', 3 Plug #6, 830'- 900', 3 Bottom of 9-5/	8, 1956. Plugged as 10 30 sacks Slo-set cement. 50 sacks Slo-set cement. 50 sacks Slo-set cement. 60 sacks Slo-set cement. 63 sacks Slo-set cement. 60 sacks Slo-set cement. 60 sacks Slo-set cement. 60 sacks Slo-set cement. 61 sacks Slo-set cement. 62 sacks Slo-set cement. 63 sacks Slo-set cement. 65 sacks Slo-set cement. 66 sacks Slo-set cement. 67 surface casing. 68 surface casing.	RECEIVED
Plug #1, 5850'-5775', 3 Plug #2, 5754'-5629', 5 Plug #3, 5580'-5455', 5 Plug #4, 5366'-5210', 6 Plug #5, 4910'-4990', 3 Plug #6, 830'-900', 3 Bottom of 9-5/ Plug #7, 8 sacks cement	30 sacks Slo-set cement. 50 sacks Slo-set cement. 50 sacks Slo-set cement. 60 sacks Slo-set cement. 85 sacks Slo-set cement. 80 sacks Slo-set cement. 78" surface casing. 81 top of 9-5/8" surface	Casing. APR 1.1 1050
Plug #1, 5850'-5775', 3 Plug #2, 5754'-5629', 5 Plug #3, 5580'-5455', 5 Plug #4, 5366'-5210', 6 Plug #5, 4910'-4990', 3 Plug #6, 830'- 900', 3 Bottom of 9-5/ Plug #7, 8 sacks cement	30 sacks Slo-set cement. 50 sacks Slo-set cement. 50 sacks Slo-set cement. 60 sacks Slo-set cement. 85 sacks Slo-set cement. 80 sacks Slo-set cement. 78" surface casing. 81 top of 9-5/8" surface	Casing. APR 1.1 1050
Plug #1, 5850'-5775', 3 Plug #2, 5754'-5629', 5 Plug #3, 5580'-5455', 5 Plug #4, 5366'-5210', 6 Plug #5, 4910'-4990', 3 Plug #6, 830'-900', 3 Bottom of 9-5/ Plug #7, 8 sacks cement	30 sacks Slo-set cement. 50 sacks Slo-set cement. 50 sacks Slo-set cement. 60 sacks Slo-set cement. 85 sacks Slo-set cement. 80 sacks Slo-set cement. 78" surface casing. 81 top of 9-5/8" surface	Casing. APR 1 1 1956 OIL AND GIVE CONTAINA BILLINGS WURPHY CORPORATION MONTANA BILLINGS
Plug #1, 5850'-5775', 3 Plug #2, 5754'-5629', 5 Plug #3, 5580'-5455', 5 Plug #4, 5366'-5210', 6 Plug #5, 4910'-4990', 3 Plug #6, 830'-900', 3 Bottom of 9-5/ Plug #7, 8 sacks cement Rig released at 2:00 A.M., 4 Approved subject to conditions on reverse of	30 sacks Slo-set cement. 50 sacks Slo-set cement. 50 sacks Slo-set cement. 60 sacks Slo-set cement. 63 sacks Slo-set cement. 63 sacks Slo-set cement. 64 surface casing. 65 top of 9-5/8" surface 66 company 67 company 68 company 69 company 60 company 61 company 62 company 63 company 64 company 65 company 66 company 67 company 67 company 68 c	Casing. APR 1.1 1050

NOTE:—Reports on this Form to be submitted to the District Agent for Approval in Quadruplicate.

WHEN USED AS PERMIT TO DRILL, THIS EXPIRES 90 DAYS FROM DATE OF APPROVAL "

Locate well by footage measurement from legal subdivision line, lease or property line and nearest drilling or producible well, if any.

Form No. 2 File at Billings or Shelby	. 7. 1	7, 1	Rge		·		Form No. 2 File at Billings or Shelby
				11 11 14 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1			51 52 512,
	the opening of					المعالية المالية	e or l
Locate Well	50 °						Locate Lease
Correctly	·	100 000 000 000 000 000 000 000 000 000	,			•	Boundary
TŴp	Or Lings						
	talender Not led A-37-Ind-1	•	100000000	•	X:::2.	n vilozopo nastonia v	Z die
•	Enot Po	**************************************	ilovo	ve#	! ! !		
.н.т.н	SLE.	<u>(/).</u>	:		1 28 3	danod 118 Hd	2000 - 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
88 -	sant _{e nii} e e	::	v tv.r	r7 gov	. 7X	eaa ii	
	·		.H.# 17	US.		ï	Y - 4
t tittatiya yati	ATT 1 Charles Charles (Control of Control of	**, *		-1"=2000'·	,	,	A CONTRACTOR OF STREET

THE NOTICE OF INTENTION TO DRILL THIS WELL IS APPROVED SUBJECT TO THE FOLLOWING CONDITIONS:

- 1. Any person, before commencing the drilling of any oil or gas well, shall secure from the commission a drilling permit and shall pay to the commission therefor for the following amounts: for each well whose estimated depth is thirty-five hundred (3500) feet or less, twenty-five dollars (\$25.00); from thirty-five hundred and one (3501) feet to seven thousand (7000) feet, seventy-five dollars (\$75.00); seven thousand (7000) feet and deeper, one hundred fifty dollars (\$150.00).
- dollars (\$25.00); from thirty-five numbers and show feet and deeper, one hundred fifty dollars (\$150.00).

 2. No well is to be spudded in unless the proper surety drilling bond has been posted and approved by the Oil and Gas Conservation Commission of the State of Montana.
- 3. Cable tool operators must construct an adequate sump to edutain all mud and water balled from the hole.
- 4. Surface or conductor casing must be properly comented by an approved method to act as a tletin case an unexpected flow of oil, gas, or water should be encountered, unless special permission has been granted for formation shut-off.
- 5. Any contemplated change in status of a well such as to plug and abandon/ deepen, plug back, redfill, after casing, ofc., must be presented on Sundry Notices and Report of Wells form for approval by agent prior to commencement of work.
- 6. All substantial showings of oil or gas must be tested for commercial possibilities before drilling ahead. Each such showing must be adequately protected by easing, mud or cement, as drilling progresses.
- 7. The production string must be cemented finless a formition shift-off by packer is approved by the agent. Sufficient cement must be used to protect the easing and possible productive formation exposed in the process of drilling not otherwise protected.
- 8. All production strings of easing must be tested by balling or pressure to determine if There is a tight bond with the formation or possible leaks in the easing. The results of the test must be reported on Sundry Notices and Report of Wells form, said report to include the size, weight, thread and length of easing, amount of cement used, and date work is done. If test shows failure, the defect must be corrected before any drilling operations are resumed.
- 9. A satisfactory drilling record must be kept for each tour, showing top and thickness of each and all formations drilled and all other information of value, one copy of which is to be kept at the rig while drilling is in progress for examination when an agent visits the well.
- 10. All producing wells must be marked with name of the operator, number of the well, and location, using reasonable precautions to preserve these markings at all times.
- Completion of the well.
 - 12. All work must be done in conformity with the regulations of the Oil & Gas Conservation Commission of the State of Montana, as contained in "General Rules and Regulations," and amendments thereto, as well as regulations prescribed in lieu thereof.

Form 9-847)V 5 1998

UNITED STATES

MONTANA GEELGET OF THE

17.2	2.3		_
O;;	14_20_0256_		
٠.,	14-20-0256-	5066	F

FUTIT A	pproved		
Budge:	Bureau	No.	42-R142

v;	/√⊃.	LEASE		
	_1	4-20-0256-5066	_F <u>t</u> .	Pec
:	6.	IF INDIAN, ALLOTTEE	OR TRIE	BE NA

MONTANDE OF THE INTERIOR GEOLOGICAL SURVEY	6. IF INDIAN, ALLOTTEE OR TRIBE NAME Austin R. Buckles
SUNDRY NOTICES AND REPORTS ON WELLS (Do not use this form for proposals to drill or to deepen or plug back to a different reservoir. Use Form 9-331-C for such proposals.)	7. UNIT AGREEMENT NAME 8. FARM OR LEASE NAME
1. oil gas other SWD Well	Buckles 9. WELL NO.
2. NAME OF OPERATOR TXO Production Corp.	"SWD" #1 10. FIELD OR WILDCAT NAME
3. ADDRESS OF OPERATOR 1800 Lincoln Center Bldg., Denver, CO 80264 4. LOCATION OF WELL (REPORT LOCATION CLEARLY. See space 17	11. SEC., T., R., M., OR BLK. AND SURVEY OF
below.) AT SURFACE: 1803' FNL & 1853' FWL (SE NW) AT TOP PROD. INTERVAL: Same AT TOTAL DEPTH: Same	Sec. 22, T28N-R51E 12. COUNTY OR PARISH 13. STATE ROOSEVELT Montana 14. API NO.
16. CHECK APPROPRIATE BOX TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA	25-085-21336 15. ELEVATIONS (SHOW DF, KDB, AND WD 2085 GL
REQUEST FOR APPROVAL TO: SUBSEQUENT REPORT OF: TEST WATER SHUT-OFF FRACTURE TREAT SHOOT OR ACIDIZE REPAIR WELL PULL OR ALTER CASING MULTIPLE COMPLETE CHANGE ZONES ABANDON* SUBSEQUENT REPORT OF: SUBSEQUENT REPORT OF: SUBSEQUENT REPORT OF: MUSE SUBSEQUENT REPORT OF: ABANDON*	(NOTE: Report results of multiple completion or zon change on Form 9–330.)

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

The well was plugged on 5-25-84. The well history of the plugging operations is attached. The following is a summary of the cement plugs:

- 50 sxs cmt through perfs (785' 846').
- 2. 35 sxs cmt 685' 615'.
- 30 sxs cmt @ surface.

Casing was cutoff below surface.

Subsurface Safety Valve: Manu. and Type	Set @	Ft.
18. I hereby certify that the foregring is tru	e and correct	
SIGNED M. David Clouatre	e and correct	_
	This space for Federal or State office use)	
APPROVED BY /8/ Don Miller	TITLE ADM-MINERALS DATE JUN 1 3 1564	

Form 9-331 Dec. 1973 Form Approved. Budget Bureau No. 42-R142

Dec. 1973					Budg	et Bureau No. 42	2-R1424
	UNITED S		Minister La	5.	LEASE		
	DEPARTMENT OF		N. Gir USOL	[14-20-0256-50		
	GEOLOGICAL	SURVEY	Minger of La) _Q 6.	IF INDIAN, ALLOTTEE		ME
			0)10	1	Austin R. Buc		
	NOTICES AND			/.	UNIT AGREEMENT N	AME	
(Do not use this f reservoir, Use For	orm for proposals to drill om 9-331-C for such propos	or to deepen or plug bo als.)	ck to a different	8.	FARM OR LEASE NAM		
1. oil —	gas —				Buckles		
well	gas well other	SWD Well		9.	WELL NO.		
2. NAME OF					"SWD" #1		
TXO Produ	iction Corp.			10.	FIELD OR WILDCAT	IAME	
	OF OPERATOR	Donium CC	00264				· :
	coln Center Bldg			11.	SEC., T., R., M., OR E	ILK. AND SUR	VEY OR
4. LOCATION below.)	OF WELL (REPORT LO	CATION CLEARLY.	See space 17		Sec. 22, T28N-	-R51F	
	CE: 1803' FNL &	1853' FWL (S	E NW)	12.	COUNTY OR PARISH		
AT TOP P	ROD. INTERVAL: Sa	me	,		Roosevelt	Montana	
AT TOTAL	DEPTH: Sa	me		14.	API NO.		•
	PROPRIATE BOX TO	INDICATE NATURE	OF NOTICE,		25-085-21336		<u>:</u>
REPORT, C	OR OTHER DATA			15.	ELEVATIONS (SHOW	DF, KDB. AN	1D MD)
REQUEST FOR	APPROVAL TO:	SUBSEQUENT RE	PORT OF:	L	2085' GL		
EST WATER S	_						-
RACTURE TRE					•		
SHOOT OR ACT		H		45.1	NTC 10		. •
PULL OR ALTE	R CASING	ä		(141)	OTE: Report results of mu change on Form 9—		1 or zone
MULTIPLE COM							
CHANGE ZONE BANDON®	S ∐ IVV	H			·		-
other)	(A.A						
l7. DESCRIBE including e	PROPOSED OR COMP stimated date of starti	LETED OPERATION: ng any proposed wo	S (Clearly state rk. If well is di	e all p	pertinent details, and	give pertinent	t dates,
measured a	and true vertical depths	for all markers and	zones pertinen	t to th	is work.)*	,	///3 U // U
TXO Produ	uction Corp. pr	pposes to P &	A this we	11.	Durina pluagi	na	
	ns, the existing					3	•
following	g plugs will be	set:		•		• -	•
	Set 35 sxs cm	t plug above	perfs.		•		
-	Set 30 sxs cm	t plug @ surf	•		•		
						•	
•					. •	•	·
					,		
							•••
		•					
Subsurface Safe	ety Valve: Manu. and Ty	pe :			Set	@	Ft.
8. I hereby cer	tify that the lovegoing is	s true and correct			•		
IGNED M.	Haid Couster	TITLEDELO	& Prod E	nain	emre <u>June 1</u>	. 1984	
M. Da	vid Clouatre					9	
	/a / Na- as:::	(This space for Fed				+	
PPROVED BY	/8/ Don Miller	TITLE	ADM-MINER	At-=	DATE . JUN 1	3 1984	
UNUITIONS OF A	APPROVAL, IF ANY:			nLX			-

SUBMIT IN DUPLICATE. UNITED STATES

Form approved, Budget Bureau No. 42-R355.5.

•	DEPAF		ENT C			TERIO	R	stru	etions on erse side)	5. XXXXXXX	XYOUX	YYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYY
WELL CO	MPLETION	1 0	DECO	AADI ET	ION	DEDODT	Λ h	ID I O	C *			THE OR TRIBE NAM
18. TYPE OF WE			GAB	MPLEI						-)		Ruckles
	W	ELL L	WELL		RY	Corps: Goo	W.	DISDOS	aı	7. UNIT ACE N/A	EEMENT	NAME
b. TYPE OF COM NEW X	WORK D	EEP.	PLEG	DIF	₽. (=)	former C	,	-ui suiv	'ey	8. FARM OR	LEASE	NAME
2. NAME OF OPERA	OVER L. E	N L_	J BACK	RES	VH. L	CORNEY,	<u></u>		, 	Buck1		
Texas Oil	& Gas Co	rn				JUN ;		inai		9. WELL NO.		
3. ADDRESS OF OPE	RATOR -		-					-701		ייתאציי	#1	
2705 Mont	ana Avenu	<mark>∍. S</mark> u	ite 30). Bill	lings	Billings Montan	givo:	59707		1 .	n Pool	OR WILDCAT
4. LOCATION OF WE	O3' FNL,			accordance	e with an	íý State requ	ireme	nta) •		N/A		n ni gay i yn ghoyf
	•		1111							OR AREA	K., 31., U	OR BLOCK AND SURVE
At top prod. In	terval reported		. 41 3							Sec. 2	2-T2	8N-R51E
At total depth	N	غد ر	150									
1803' FNL,	1853' FW			14. PE	RMIT NO.		DATE	ISSUED		12. COUNTY PARISH	on	13. STATE
										Rooseve		Montana
5-13-81	16. DATE T.D.	REACHE			(Ready t	1 *			DF, RKB,	RT, GR, ETC.) •	i	LEV. CASINGHEAD
20. TOTAL DEPTH. MD	5-25-81	110 015	6-2		15 1111	TIPLE COMPL		5' GR	ERVALS	ROTARY TOO	<u> </u>	OS6'
960 !	# 140 SI. PI	.00. BACI 1 850	. T.D., KΩ &	70 22	ROW M		·••		LLED BY	Surf ->		A4450 10000
24. PRODUCING INTE	RVAL(S), OF THE		ETION-TO	P, BOTTUM,	NAME (UD AND TVD)	•	<u> </u>	->	our.		. WAS DIRECTIONAL
						•					}	BURNEY MADE
785' - 846'	; Judith !	iver									}	No
26. TYPE ELECTRIC	AND OTHER LOCK	RUN								<u> </u>	27. W	AS WELL CORED
CBL GR	CCL]		No
28.		/				ort all string	a set		(D) milita	0.0000		
·	WEIGHT, LE	./FT.	DEPTH SI	T (MD)		LE SIZE	-}		MENTING	RECORD	}.	AMOUNT PULLED
7''	_ 1 <u></u>		960		8 3/	4''		L310_S:	acks		-	
	-				 -		·				·	
	-						-			•		
29.	· 	LINE	RECORD				<u> </u>	30.		TUBING RECO	RU	
3118	TOP (MD)	BOTT	OM (ND)	BACKS CE	MENT*	SCREEN (A	10)	SIZE		DEPTH BET (M	p)	PACKER SET (MD)
								2 7/1	3"	6891		685!
31. PERFORATION REC	TOOD (Internal	100 000	mum han)	<u> </u>	<u> </u>	<u> </u>		<u> </u>				
785' - 90';	0.41"; 2.	Ĺ	number			82.				TURE, CEMENT		
794' - 97';						DEPTH IN		 -		COUNT AND KIN		
807' - 11';		7				785'	- 84	<u> </u>	. 591	l gal 15%	_acro	1
822' - 24'; 839' - 46';		<i>)</i> 3							·			
039 - 40 ,	0.41 , 2:	, 										
33.*	-					OUCTION						
DATE FIRST PRODUCT	ION PRO	CTION	METHOD (riowing, go	is lift, pu	mping—size	and t	The of ba	np)		STATUS (-in)	(Producing or
6-16-81	HOURS TESTES		tion wi	th pum		OIL-BBL.		GAS-M	CP	WATER-BBL		Injection
6-16-81	1		2"	TEST		010-881.			CF.	222	<i>'</i>	GAS-OID BATIO
TOOK TUBING PRESS.	CASING PRESSI		LCULATED	OIL-B	IBL.	GA8-	MCF.	1	WATER-		OIL GR	AVITY-API (CORR.)
650			TAR B'10H-I			1		ł		ob1/min		
34. DISPOSITION OF G	AS (Sold, used fo	r fuel, v	ented, etc.)			 '			*	TEST WITNES		
										Jeff Dyl	ke.	
35. LIST OF ATTACH	MENTS											
20 I head	76.7. 76. 77											
36. I hereby certify	LUBI THE FOREGO	og and	attached is	normation					ed from			
31GNED		90		тіт	LE Dr	illing I	Engi	neer		DATE	6-1	18-81
-4	KANTA	_ / `										

- 107 W.

LOCATE WELL CORRECTLY

BUCKCES SWD#/

085-21336

Form No. Rule 206.3 and 230

SENW .

,				BOARD OF	(SUBMIT IN TO TO TO TO TO THE STATE BILLINGS O	GAS CO OF MOI R SHELB	NSERVATION TANA	JUL PRECEI SOIL & GAS CONS. STATE OF MO. BILLINGS	1981 COMM.
Address The well is I Sec. 22 Commenced The int of the well	drilling 5 formation given at the above data injection	a Avenue, T 59101 ft. from 8N ; F -13 herewith is ate.	Suite 30 (N) (S) line and 1. 51E a complete		Field of the signed	les ''S (or Area (W) lin It eted 5 ne well. H.J. K	SWD'' a) F. Po ne of Sec.	plar 22 ; Elevationary on this p	_Well No1
From	totototototototo	.D.; W; J	oil by O, ga udith Rive	as by G, we	Date ONES OF Pater by W; From From From From GRECORD	orosi'state fo	rmation iftoto		Cut and Pulled from
	Size Tubir		Veight er Ft.	TUBING Grade J-55	G RECORD Thread 8rd	Am	ount 77'	Perforations	
Cable tools v	PERFORA	; Plugged b	ce) '	ACID	ton hole	ofrom		to
785 794 807 822 839	797 2	JSPF w/2 1/8" exp	en.	From	PRODUCTIO		Amount Material	Used	Pressure
I. P. 3.7		wt narrels of wit	permir	nute ko	(pool) for	psi	wing)		

NOTICE THIS FORM BECOMES A PERMIT WHEN STAMPED APPROVED BY AN AGENT OF THE BOARD.

(SUBMIT IN QUADRUPLICATE)

TO

BOARD OF OIL AND GAS CONSERVATION OF THE STATE OF MONTANA BILLINGS OR SHEER

MAC 36-3.18(10)-S18020 MAC 36-3.18(10)-518030 MAC 36-3.18(10)-S18140 MAC 36-3.18(10)-S18170 MAC 36-3.18(10)-S18200 MAC 36-3.18(10)-S18310 MAC 36-3.18(10)-\$18330 MAC 36-3.18(14)-S18380

SUNDRY NOTICES AND REPORT OF

	The Dr Man 1997
Notice of Intention to Drill Water. Disp. Well XX	Subsequent Report Sp Swater Shy off
Notice of Intention to Change Plans	Subsequent Seport of Shooting Acidizing, Cementing
Notice of Intention to Test Water Shut-off	Subsequent Report de Aftering Casing CENTED (a
Notice of Intention to Redrill or Repair Well	Subsequent Report of Redrilling or Repair
Notice of Intention to Shoot, Acidize, or Cement	Subsequent Report of Abandon 100
Notice of Intention to Pull or Alter Casing	Supplementary Well History CHECK TO PERMIT 12-04
Notice of Intention to Abandon Well	Report of Fracturing
	Report of Fracturing ORILLING
(Indicate Above by Check Mark Na	ture of Report, Notice, or Other Data)

ollowing i	is	a) notice	of xof	intention	to xox	do	work	}	on la	ınd	
------------	----	---	----------	-----------	-----------	-----------	----	------	---	-------	-----	--

&&&&&& leased

described as follows:

Buckles LEASE

MONTANA	Roosevelt	F.	Poplar
(State)	(County)	(F	Field)
Well No SIVD #1 SE NW	- 22	R51E	MANA
	n. sec.) (Township)	(Range)	(Meridian)
The well is located	n { } { line and ft. from }	XX {line of Sec	22
LOCATE WELL SITE ACCURATELY ON	DIATION DACK OF THE POPM		

READ CAREFULLY

DETAILS OF PLAN OF WORK

READ CAREFULLY

(State names of and expected depths to objective sands; show size, weights, and lengths of proposed casings, cementing points, and all other important proposed work, particularly all details of Shooting, Acidizing, Fracturing.)

DETAILS OF WORK RESULT

- Drill 8 3/4" hole to ± 950". Set 7", 20#, K-55 casing and cement to surface.
- Perforate the Judith River Formation and complete as a salt water disposal well, at an estimated rate of 1000 Bupp at ± 400 psi.

FILING WITH THE COMMISSION ALL LOGS. REPORTS, SURVEYS AND ANALYSES MADE OR RUN IS REQUIRED IN ACCORDANCE WITH RULE NO. 230.

SALTWATER PITS SHALL BE IMPERMEABLE

Approved subject to conditions on reverse of form

District Office Agent

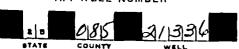
Texas Oil & Gas Corp. Company.

J. Kagie

Title...... Drilling Engineer

2705 Montana Avenue, Suite 300 Address Billings, Montana 59101

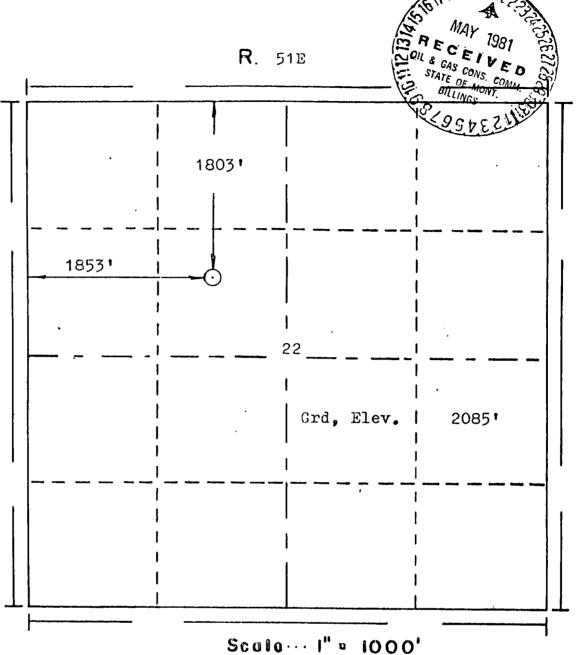
BOARD USE ONLY API WELL NUMBER



NOTE:-Reports on this form to be submitted to the appropriate District for approval

WHEN USED AS PERMIT TO DRILL, PERMIT EXPIRES 80 DAYS FROM DATE OF APPROVAL IF WELL NOT SPUDDED OR EXTENSION REQUESTED.





Powers Elevation of Danvar, Colorado has in accordance with a request from Joe Kagie for Texas Oil & Gas determined the locution of Buckles S.W.D. #1 to be 1803 ff 1853 ff Sec Range 51E of the Montana prinicipal Section 22 Township 28N Meridian Roosevelt County. Montana

I horoby certify that this plat is an accurate representation of a correct survey showing the location of Buckles S.W.D. #1

Date: _6May81

Licensed Land Surveyor No. 21348 State of Montana

T. 28N

Orm 9-331 Dec. 1973 UNITED STATES	Form Approved. Budget Bureau No. 42-R1424 5. LEASE 70 14070-0256-5066 Ft. Peck 6. PINDIAN, ALLOTTEE OR TRIBE NAME AASTIN R. Buckles
UNITED STATES (Manage of)	5. LEASE
DEPARTMENT OF THE INTERIOR	ুব 14টা 0-0256-5066 Ft. Peck
GEOLOGICAL SURVEY	6. PINDIAN, ALLOTTEE OR TRIBE NAME
CONDICT HORIZED THE CONTROL OF THE	OT. UNIT AGREEMENT NAME
Do not use this form for proposals to drill or to deepen or plug back to a different eservoir. Use Form 9-331-C for such proposals.)	0 5451400 45405 44445
	8. FARM OR LEASE NAME Buckles
1. oil gas other SWD Well	9. WELL NO.
2. NAME OF OPERATOR	"SWD" #1
TXO Production Corp.	10. FIELD OR WILDCAT NAME
3. ADDRESS OF OPERATOR .	
1800 Lincoln Center Bldg., Denver, CO 80264	11. SEC., T., R., M., OR BLK. AND SURVEY OR
4. LOCATION OF WELL (REPORT LOCATION CLEARLY. See space 17	AREA
below.)	Sec. 22, T28N-R51E
AT SURFACE: 1803' FNL & 1853' FWL (SE NW) AT TOP PROD. INTERVAL: Same	12. COUNTY OR PARISH 13. STATE
AT TOTAL DECTI.	Roosevelt Montana
AT TOTAL DEPTH: Same 16. CHECK APPROPRIATE BOX TO INDICATE NATURE OF NOTICE,	14. API NO
REPORT, OR OTHER DATA	25-085-21336
KE, OKI, OKI OTTEK DAWA	15. ELEVATIONS (SHOW DF, KDB, AND WD) 2085 GL
REQUEST FOR APPROVAL TO: SUBSEQUENT REPORT OF:	2003 (IL
TEST WATER SHUT-OFF	•
FRACTURE TREAT	•
SHOOT OR ACIDIZE REPAIR WELL	(AIDTE: Been a series of the s
PULL OR ALTER CASING	(NOTE: Report results of multiple completion or zone change on Form 9-330.)
MULTIPLE COMPLETE	
CHANGE ZONES	•
ABANDON*	; 1
(other)	
17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state including estimated date of starting any proposed work. If well is dimeasured and true vertical depths for all markers and zones pertinen	rectionally drilled, give subsurface locations and
The well was plugged on 5-25-84. The well h	nistory of the plugging
operations is attached. The following is a	
1. 50 sxs cmt through perfs (785' iv	_{ኒ/}
2. 35 sxs cmt 685' - 615'.	-A
3. 30 sxs cmt @ surface.	Min.
Casing was cutoff below surface. $\mathcal{L}_{\mathcal{L}_{\mathcal{L}}} = \mathcal{L}_{\mathcal{L}_{\mathcal{L}}} = \mathcal{L}_{\mathcal{L}_{\mathcal{L}}}$	WN 1954 CONS CONS CONS CONS CONS CONS CONS CONS
CA CHANGE CONTROL OF THE CONTROL OF	
OTATIO C	CONS IN IN
	DE KILINT COMM. TO A
	NO.
and the same	· · · · · · · · · · · · · · · · · · ·
Subsurface Safety Valve: Manu, and Type	Set @ Ft.
18. I hereby certify that the foreigning is true and correct	
SIGNED M. David Clouatre TITLE Drlg & Prod.	Engimeer June 1, 1984
(This space for Federal or State of	FRATS
APPROVED BY TITLE TITLE	DATE
CONDITIONS OF APPROVAL. IF ANY:	

3.67 plaged majorice of T.D. Hodgin

NOTICE THIS FORM BECOMES A PERMIT WHEN STAMPED APPROVED BY AN AGENT OF THE BOARD.

Form No. 2

(SUBMIT IN QUADRUPLICATE)

≟`ARM'36.22.307 ARM 36.22.601 ARM 36.22.602

ARM 36.22.1003 ARM 36.22.1004 ARM 36.22.1013

BOARD OF OIL AND GAS CONSERVATION OF THE STATE OF MONTANA

ARM 36.22.603 ARM 36.22.604 ARM 36.22.605 Street OF ACTO

Burn to

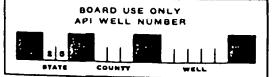
ARM 36.22.1301 ARM 36.22.1306 ARM 36.22.1309

BILLINGS OR SHELBY

SUNDRY NOTICES AND REPORT OF WELLS'S COPPRESS

Notice of Intention to Drill		Subsequent Report of Water Shut-off	
Notice of Intention to Change Plans		Subsequent Report of Shooting, Acidizing, Cementing	
Notice of Intention to Test Water Shut-off		Subsequent Report of Altering Casing	
Notice of Intention to Redrill or Repair Well		Subsequent Report of Redrilling or Repair	
Notice of Intention to Shoot, Acidize, or Cement		Subsequent Report of Abandonment SWK	$\perp X$
Notice of Intention to Pull or Alter Casing		Supplementary Well History	
Motice of Intention to Abandon Well	XXXXX	Report of Fracturing	
			†

		i j
(Indicate Above	by Check Mark Nature of Report, Notice, or Oth	
	May 21	198 ⁴
Following is a \notice of intention to do w	ork on land owned described as for	allows:
report of work done	LEASE	
MONTANA POOS		•
MONTANA ROOSE		East Poplar (Field)
Well No. "SWD" #1 SE NW 22	2. 28N	51E
		(Range) (Meridian)
The well is located 1803 ft. from	$\frac{N}{N}$ line and 1853 ft. from	\mathbb{X}^{X} {line of Sec22
LOCATE WELL SITE ACCURATELY ON P	LAT ON BACK OF THIS FORM.	
The elevation of the ground or K.B. above the	ne sea level is2085 !	
READ CAREFULLY	DETAILS OF PLAN OF WORK	READ CAREFULLY
(State names of and expected depths to object	ive sands; show size, weights and lengths of propo	—
Important proposed work, particularly all details	m Shooting, Acidizing, Fracturing.)	1
	DETAILS OF WORK RESULT	
TXO Production Corp.	proposes to P & A this well. D	uring
	sting perforations will be squee	zed and the following plug
will be set: Set 35 sxs	s cmt plug above perfs.	
Set 30 sxs	cmt plug @ surface.	er met
Verbal approval was of Oil & Gas Conservation in	given by Claire Houghey at the M Billings on 5-21-84.	ontana Board
Wote: Jao sulve	quest report of ab	andonneut.
theck Fe	quent report of ab	d 6-13-84
Approved subject to conditions on reverse	of form Companyfxppr	odyctign Corp.
Date JUN 1 8 1984	By M. Harry	mate
By Claire Jaughers Son	M. David C	louatre
District Office Agent T	itle 1800 Linc	Production Engineer oln Center Building
V	Address DenverC	0.80264
BOARD USE ONLY		



NOTE:—Reports on this form to be submitted to the appropriate District for approval DRILLING PERMIT EXPIRES 90 DAYS FROM DATE OF APPROVAL. UPON WRITTEN REQUEST PRIOR TO EXPIRATION DATE, ONE 90 DAY EXTENSION MAY BE GRANTED,

P & A - MONTANA

BUCKLES "SWD" #1
Roosevelt Co./22-28N-51E



- 05/24/84 SITP 240#, SICP 235#. RU Halliburton. Test lines to 2000#. Pump 20 bbls fresh wtr. Had 500# @ 4 BPM. Pump 25 sxs Cl "G" cmt. Flush w/ 5 bbls fresh wtr. Start to stage for squeeze. Couldn't obtain squeeze after 10 bbls fresh wtr pumped. Pump 25 sxs Cl "G" cmt. Flush w/ 5 bbls fresh wtr. Start to stage for squeeze. Obtain squeeze w/ 5.5 bbls total flush @ 1000#. SWI for 20 min. Bled press to 500#. SWI. SDFN. DW: 2900. CW: 2900.
- 05/26/84 RU Allison Rig #8. ND wellhead. NU BOP. Attempt to release pkr. No tension on tbg. TOOH w/ 2-7/8" tbg & Model "AD-1" pkr. TIH w/ tbg to 685'. RU Halliburton. Pump 35 sxs Cl "G" cmt from 685-615'. TOOH & LD tbg. Pump 30 sxs surf plug. RD Halliburton. ND BOP. RD Allison & RR @ 2 PM 5/25/84. Well P & A'd on 5/25/84. FINAL REPORT!!! DW: 8778. CW: 11,678.

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ENVIRONMENTAL PROTECTION AGENCY

Form 9-331 Dec. 1973

NOV 5 1998

Form Approved. Budget Bureau No. 42-R1424

UNITED STATES
DEPARTMENT OF THE INTERIOR OFFICE

50' above 8-5/8" csg shoe 6 4. 50 sxs cmt 950' - 800' (25' 5. 15 sxs cmt @ surface Casing was cutoff below surface. Subsurface Safety Valve: Manu. and Type 18. I hereby certify that the foregoing is true and correct	O' below 5½" csg stub 0 1250' & 0 1220'). above & 25' below Judith River) Set @Ft. Enganæer June 1, 1984
1. 25 sxs cmt through perfs (5) 2. 35 sxs cmt 5670' - 5370'. 3. 55 sxs cmt 1300' - 1170' (5) 50' above 8-5/8" csg shoe (4. 50 sxs cmt 950' - 800' (25' 5. 15 sxs cmt @ surface Casing was cutoff below surface. Subsurface Safety Valve: Manu. and Type 18. I hereby certify that the loregoing is true and correct SIGNED TITLE Drig. & Prod	O' below 5½" csg stub @ 1250' & @ 1220'). above & 25' below Judith River) Set @Ft.
1. 25 sxs cmt through perfs (5) 2. 35 sxs cmt 5670' - 5370'. 3. 55 sxs cmt 1300' - 1170' (5) 50' above 8-5/8" csg shoe (4) 4. 50 sxs cmt 950' - 800' (25') 5. 15 sxs cmt @ surface Casing was cutoff below surface. Subsurface Safety Valve: Manu. and Type	O' below 5½" csg stub 0 1250' & 0 1220'). above & 25' below Judith River)
1. 25 sxs cmt through perfs (5) 2. 35 sxs cmt 5670' - 5370'. 3. 55 sxs cmt 1300' - 1170' (5) 50' above 8-5/8" csg shoe (4) 4. 50 sxs cmt 950' - 800' (25') 5. 15 sxs cmt @ surface Casing was cutoff below surface. Subsurface Safety Valve: Manu. and Type	O' below 5½" csg stub @ 1250' & @ 1220'). above & 25' below Judith River)
1. 25 sxs cmt through perfs (5) 2. 35 sxs cmt 5670' - 5370'. 3. 55 sxs cmt 1300' - 1170' (50 50' above 8-5/8" csg shoe 0 4. 50 sxs cmt 950' - 800' (25' 5. 15 sxs cmt 0 surface	0' below 5½" csg stub 0 1250 & 0 1220').
1. 25 sxs cmt through perfs (5) 2. 35 sxs cmt 5670' - 5370'. 3. 55 sxs cmt 1300' - 1170' (50 50' above 8-5/8" csg shoe 0 4. 50 sxs cmt 950' - 800' (25' 5. 15 sxs cmt 0 surface	0' below 5½" csg stub 0 1250 & 0 1220').
1. 25 sxs cmt through perfs (5) 2. 35 sxs cmt 5670' - 5370'. 3. 55 sxs cmt 1300' - 1170' (50 50' above 8-5/8" csg shoe (4) 4. 50 sxs cmt 950' - 800' (25'	0' below 5½" csg stub 0 1250 & 0 1220').
1. 25 sxs cmt through perfs (5) 2. 35 sxs cmt 5670' - 5370'. 3. 55 sxs cmt 1300' - 1170' (50 50' above 8-5/8" csg shoe (0' below 5½" csg stub 0 1250 & 0 1220').
1. 25 sxs cmt through perfs (5: 2. 35 sxs cmt 5670' - 5370'. 3. 55 sxs cmt 1300' - 1170' (50	D' Below 5날" csg stub @ 1250 &
1. 25 sxs cmt through perfs (5) 2. 35 sxs cmt 5670' - 5370'.	•
1. 25 sxs cmt through perfs (5)	796' - 5800').
• •	
plugs:	
•	· · · · · · · · · · · · · · · · · · ·
operations is attached. The following is a	
The well was plugged on 5-25-84. The well !	history of the blugging
measured and true vertical depths for all markers and zones pertinen	t to this work.)*
 DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state including estimated date of starting any proposed work. If well is di 	irectionally drilled, give subsurface locations and
ABANDON*	
CHANGE ZONES	
MULTIPLE COMPLETE	47 W
REPAIR WELL	(NOTE: Report results of multiple completion or zone change on Form 9–330.)
SHOOT OR ACIDIZE	
TËST WATER SHUT-OFF 📋 🔲 🗍 FRACTURE TREAT 🗍 🗍	
REQUEST FOR APPROVAL TO: SUBSEQUENT REPORT OF:	
	2085 GL, 2097 KB
REPORT, OR OTHER DATA	15. ELEVATIONS (SHOW DF, KDB, AND WD)
Same 16. CHECK APPROPRIATE BOX TO INDICATE NATURE OF NOTICE.	14. API NO. 1. 25 - 085 - 21267
AT TOP PROD. INTERVAL: Same AT TOTAL DEPTH:	Roosevelt Montana
AT SURFACE: 1980' FNL & 1980' FWL (SE NW)	12. COUNTY OR PARISH 13. STATE
4. LOCATION OF WELL (REPORT LOCATION CLEARLY. See space 17 below.)	Sec. 22, T28N-R51E
1800 Lincoln Center Bldg., Denver, CO 80264	11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA
3. ADDRESS OF OPERATOR	East Poplar Field
2. NAME OF OPERATOR TXO Production Corp.	10. FIELD OR WILDCAT NAME
well M well other	9. WELL NO
1. oil gas	Buckles
(Do not use this form for proposals to drill or to deepen or plug backeto a different reservoir. Use Form 9–331–C for such proposals.)	8. FARM OR LEASE NAME AND STATE OF THE STATE
SUNDRY NOTICES AND REPORTSMONOWELLS	7. UNIT AGREEMENT NAME
William Tilliam .	6. IF INDIAN, ALLOTTEE OR TRIBE NAME Austin R. Buckles 7. UNIT AGREEMENT NAME 8. FARM OR LEASE NAME Buckles 9. WELL NO.
Milesenien	6. IF INDIAN, ALLOTTEE OR TRIBE NAME
GEOLOGICAL SURVEY Mon 1000	
1/8m. W/	5. LEASE 14-20-0256-5066 Ft. Peck

Form Approved.

Dec. 1973	Budget Bureau No. 42-R1424
UNITED STATES;	5. LEASE
UNITED STATES: DEPARTMENT OF THE INTERIOR OF LANGE OF LANGE GEOLOGICAL SURVEY	14-20-0256-5066 Ft. Peck
GEOLOGICAL SURVEY	6. IF INDIAN, ALLOTTEE OR TRIBE NAME
	Austin R. Buckles
SUNDRY NOTICES AND REPORTS ON WELLS	7. UNIT AGREEMENT NAME
(Do not use this form for proposals to drill or to deepen or plug back to a different	
reservoir. Use Form 9–331–C for such proposals.)	8. FARM OR LEASE NAME : .
1. oil gas	Buckles '
well well other	9. WELL NO.
2. NAME OF OPERATOR	"A" #1 : "
TXO Production Corp.	10. FIELD OR WILDCAT NAME
3. ADDRESS OF OPERATOR	East Poplar Eield : " = g
1800 Lincoln Center Bldg., Denver, CO 80264	11. SEC., T., R., M., OR BLK. AND SURVEY OR
4. LOCATION OF WELL (REPORT LOCATION CLEARLY. See space 17	AREA ÁÚSÚ A NAMÉ
below.)	Sec. 22, T28N-R51E: 19 9 9
AT SURFACE: 1980' FNL & 1980' FWL (SE NW)	12. COUNTY OR PARISH 13. STATE
AT TOP PROD. INTERVAL: Same	<u>Roosevelt</u> Montana
AT TOTAL DEPTH: Same	14. API NO
16. CHECK APPROPRIATE BOX TO INDICATE NATURE OF NOTICE.	25-085-21267 -
REPORT, OR OTHER DATA	15. ELEVATIONS (SHOW DF, KDB, AND WD)
	2085' GL, 2097' KB
REQUEST FOR APPROVAL TO: SUBSEQUENT REPORT OF:	
TEST WATER SHUT-OFF	
FRACTURE TREAT	
REPAIR WELL	(NOTE: Beauty and the of multi-transmission
PULL OR ALTER CASING	(NOTE: Report results of multiple completion or zone change on Form 9–330.)
MULTIPLE COMPLETE	
CHANGE ZONES	
ABANDON* ☐	
(other)	
17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state	all pertinent details and give pertinent dates
including estimated date of starting any proposed work. If well is di	rectionally drilled, give subsurface locations and
measured and true vertical depths for all markers and zones pertinen	t to this work.)*
Due to uneconomic production, TXO Production	Corp. proposes to P&A 📜 🔞
the above well. During plugging operations,	, the existing perforations
will be squeezed and the following plugs wil	l be set:
Set 35 sxs cmt plug above perfs.	
Set cmt plug 50' in and 50' out	
Set cmt plug 50' in and 50' out	of surf csg shoe.
Set cmt plug 25' above and 25' b	elow Judith River
Set 15 sxs cmt plug @ surface.	
Verbal approval was given by Don Miller at t	he BLM's Miles City
office on May 21, 1984.	
•	
	•
Subsurface Safety Valve: Manu. and Type	Set @ Ft
18. I hereby certify that the pregoing is true and correct	
SIGNED Jan Contro TITLE Dr. 1. & Prod	Engineer June 1, 1984
· M David Clouatre	
/8/ Don Miller (This space for Federal or State offin	ce use)
APPROVED BY TITLE	RALS DATE SUN 1 3 YOU.
CONDITIONS OF APPROVAL, IF ANY:	

SUBMIT IN DUPLICATE. UNITED STATES

PLICATE Form approved.

(See other inStructions on Contract 10.

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		GEC		AL SU	RVE					14-20-0	256-	-5066 OTTEE OR TRIBE NAME	
WELL CO	MPLETION	1 OF	RECO	MPLET	ION	REPORT	AN	D LO	G *	1			
WELL COMPLETION OR RECOMPLETION REPORT AND LOG* IB. TYPE OF WELL: OIL WELL WELL DO BRY D. Shef-ening: Consensus							Austin R. Buckles 7. UNIT AGREEMENT NAME						
b. TYPE OF COM		ELL (werr f				-			M/A	20,112,1		
NEW WELL X	WORK D	CEP-	PLUG [דות ר	г. 🗀 ў	RECE				S. FARM OR	LEASE	NAME	
2. NAME OF OPERA	OVER L E	<u> </u>	J BACK L	res	SVR. L	Other	=			Buckles			
	il & Gas (orm of				MAY IC	; ;	381		9. WELL NO.			
3. ADDRESS OF OPE		.orp.				Hillings (CON	enno.		ייביי וי	''A'' No. 1		
3. ADDRESS OF OPERATOR Suite 300, 2705 Montana Ave. Billings, MT 59101									10. FIELD AND POOL, OR WILDCAT				
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements).									F. Pon	F. Poplar			
At surface 1980' FNL & 1980' FNL									11. SEC., T., R., M., OH BLOCK AND SURVEY				
At top prod. in	terval reported b	elow	SAME							OR AREA			
at top prod. In			SPULL							Sec. 2	2-42	28M-051F	
At total depth	SAME	3			<u>.</u>								
				14. Pf	RMIT NO.			ISSUED		12. COUNTY PARISH	OR	13. STATE	
*				_1				25-81		Roosev		Montana	
15. DATE SPUDDED	16. DATE T.D.		1		(Ready t	o prod.) 18				RT. GR, ETC.)*	1	ELEV. CASINGHEAD	
4-1-81	4-15-81			5-4-81	·			7' RKF				CABLE TOOLS	
20. TOTAL DEPTH. MD 59371	& TVD 21. PL	587	K T.D., MD &	TVD 22	HOW M		•	23. INTI	LED BY	ROTARY TOO	ires (
24. PRODUCING INTER			_) DOMESTIC	NAME (NA.		<u> </u>	<u>→</u>	5937!	1 2	None None	
											-	SURVEY MADE	
Top @ 5800	', BTM @ 5	850'	Charl	.es ''C'	' form	ation					i	No	
26. TYPE ELECTRIC	AND OTHER LOGS	RUN								 1	27. W	AS WELL CORED	
DLL-MSFL,			C Sonic									No	
28.					ORD (Ren	ort all strings	set i	n soell)					
CASING BIZE	WEIGHT, LB	/FT.	DEPTH SE			LE SIZE	1		ENTING	RECORD	 i	AMOUNT PULLED	
8 5/8''	24#		1220	1	12	1/4''	10	00 sx	Class	5 ''G'' 8 1	50 s	$\frac{1}{x}$ N/ Λ	
	_					<u> </u>				. to sur			
5 1/2"	15 6 1	7#	5933	; '	7	7/8''		0 sx @					
			DV too	1 @ 52	00'			0 sx @					
29.		LINE	RECORD					30.		TUBING RECORD			
SIZE	TOP (MD)	BOTT	ом (мр)	SACES C	EMENT.	SCREEN (M	D)	SIZE	!_	DEPTH SET (M	D)	PACKER SET (MD)	
N/A							[2 7/8	<u>''</u>	5670'		56101	
21		7		<u> </u>									
31. PERFORATION REC	CORD (Intervat, a	ire ana	number			82.				URE. CEMEN			
5796 - 5800	', .33'' di	a.,	17 shot	s.		DEPTH INT				OUNT AND KIN			
	•	•				5796-5	ויניא			50 gals. 15% HCL			
						ļ							
33.*					PRGI	DUCTION							
DATE FIRST PRODUCT	ION PROD	UCTION	METHOD (lowing, g		imping—aise	and t	ype of pun	(g)			s (Producing or	
5-4-81	J	Flow	ing					•		****	t-in) P	roducing	
DATE OF TEST	HOURS TESTED		HORE SIZE		V. FOR	QIL-BBL.		GAS-MC	F.	WATER-BBL		GAS-OIL BATIO	
5-10-81	24	1	2/64''	TEST	PERIOD	82		NR		887		ਮੀਨ	
FLOW. TUBING PRESS.	CASING PRESSU		ALCULATED	01L	BBL.				WATER-	-BBL.	OIL GE	RAVITY-API (CORB.)	
								36.6					
34. DISPOSITION OF C.	AS (Sold, used fo	r juel, t	ented, etc.)							TEST WITNES			
Vented										Texas ∩	il f	Gas Corn.	
35. LIST OF ATTACHS													
DST Repor		20000	n#toohod !-	formette-	10.00	late and are	at	dotormic	d (-11 11-51-	A8853:		
out a mereby certify		1/2	L	101111111111111111111111111111111111111	is comb	ere and Corre	C(118	uetermine	n rrom	all gvallabie r	ecoras		
SIGNED	po 4-1	Neat	4	_ TI	rle P	roject E	ngi	neer		DATE	. <u>Ma</u>	v 11, 1981	

APR 11 1956

APR 11 1956

U.S. GEOLUGICAL SULVEY

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Adapters-Material...

(SUBMIT IN TRIPLICATE)

UNITED STATES

DEPARTMENT OF THE INTERIOR GEOLOGICAL SURVEY

Indian	Agency	Ft.	Peck

Allott. 1-37-Ind-12954

Title Division Production Superintendent

PROTECTION AGENCY

10V 5 1998

SUNDRY NOTICES AND REPORTS ON WELLS

Raf.

NOTICE OF INTENTION TO CHANGE PLANS	SUBSEQUENT REPORT OF WATER SHUT-OFF
NOTICE OF INTENTION TO TEST WATER SHUT-OFF.	SUBSEQUENT REPORT OF ALTERING CASING
NOTICE OF INTENTION TO REDRILL OR REPAIR WELL	SUBSEQUENT REPORT OF REDRILLING OR REPAIR
NOTICE OF INTENTION TO SHOOT OR ACIDIZE NOTICE OF INTENTION TO PULL OR ALTER CASING.	SUBSEQUENT REPORT OF ABANDONMENT
NOTICE OF INTENTION TO ABANDON WELL	
1000年2000年1000年100日 1000年10日 1	学を表していた。
(INDICATE ABOVE BY CHEC	K MARK NATURE OF REPORT, NOTICE, OR OTHER DATA)
	19.55
7 11 37	Elu c
Vell No. 73 is located 660	ft. from S line and 1979 ft. from line of sec. 22
W SE Section 22 28N	BIT N.P.N.
(14 Sec. and Sec. No.) (Twp.)	(Ranga) (Meridian)
East Poplar (Field)	Roosevelt Hontans (County or Subdivision) (State or Territory)
	(County or Subdivision) (State or Territory)
he elevation of the derrick floor above s	- ALCDIN
	DETAILS OF WORK ORIGINAL FORWARDED TO CASPER
	AND THE RESERVE OF THE PARTY OF
tate names of and expected depths to objective sands; a	show sizes, weights, and lengths of proposed casings; indicate mudding jobs, cement- and all other important proposed work)
lugged and abandoned April 8, 1	OT THE PARTY OF TH
PARTIES OF THE PROPERTY OF THE PARTIES OF THE PROPERTY OF THE	950 Plugged as follows
Ping #1 58501-87781 20 mg	CIPE STANDAR PARAMET
Plug #1, 5850*-5775*, 30 sa.	cks Signest coment.
Plug #1, 5850*-5775*, 30 sa. Plug #2, 5754*-5629*, 30 sa. Plug #8, 5580*-5455*, 50 sa.	ska Slowest cement.
Plug #1, 5850*-5778*, 30 sa. Plug #2, 5754*-5629*, 30 sa. Plug #3, 5580*-5455*, 50 sa. Plug #4, 5366*-5210*, 60 sa.	
Plug #1, 5850*-5778*, 30 ss. Plug #2, 5754*-5629*, 30 ss. Plug #8, 5580*-5455*, 50 ss. Plug #4, 5366*-5210*, 60 ss. Plug #5, 4910*-4990*, 35 ss.	cks Slowest cement. cks Slowest cement. cks Slowest cement. cks Slowest cement.
	cks Slowest cement. cks Slowest cement. cks Slowest cement. cks Slowest cement.
Bettem of 9-5/8" s	dis Sie-set cement. FEB 6 - 195
	cks Sie-set cement.
Bettem of 9-5/8" a	cks Slowest cement. urface casing. Approved FEB 6 - 195
Plug #7, 8 sacks sement top	the Sie-set cement des Sie-set c
Betton of 9-5/8" so Plug #7, 8 sacks coment top g released at 2:00 A.M., 4-8-5	dis Sie-set cement dis Sie-set c
Plug #7, 8 sacks coment top g released at 2:00 A.M., 4-8-5 I understand that this plan of work must receive approximately components.	dis Sie-set cement dis Sie-set c
Betton of 9-5/8" at Plug #7, 8 sacks coment top g released at 2:00 A.M., 4-8-5	dis Slowest coment. urface casing. Approved (Grig. Sgd.) H. H. PERRICO District Engineer
Plug #7, 8 sacks coment top g released at 2:00 A.M., 4-8-5 I understand that this plan of work must receive appropriately the plan of work must receive	the Sie-set cement. The First Engineer countries of the Sie-set cement. The Sie-set cement.
Plug #7, 8 sacks coment top g released at 2:00 A.M., 4-8-5 I understand that this plan of work must receive apprompany HURPHY CORPORATION	the Sie-set cement. (Gig. Sgd.) H. H. PEHRIGE District Engineer royal in writing by the Geological Survey before operations may be commenced.

U. S. GOVERNMENT PRINTING OFFICE

U. S. LAND OFFICE Lotted 1-37-Ind-12954

SERIAL NUMBER

LEASE OR PERMIT - Po-Prost 3687)

UNITED STATES

DEPARTMENT OF THE INTERIOR

GEOLOGICAL SURVEY

LOG OF OIL OR GAS WELL

LOCATE WELL CORRECTLY	_				
Company MURPHY CORPORAT	PION	1 4.33	602 Hidland	Bank Bldg, Bl	gs, Montan
Lessor or Tract E.P.U. Allo					
ressor or Tract E-ressor or Tract 22	28N _ 51E _	Field	M. ~	State	t
Well No	197	leridian	Sect	inty Hon 22	2157
The information given her			record of the w	ell and all work	done thereon
o far as can be determined from	m an avanable	Signed	nald	mien.	
Date April 13, 1956	; 		Title Div	sion Producti	on Supt.
The summary on this page	is for the cond	ition of the well	it above date.	•	
Commenced drilling March	16	19 56 Physic	ed & Abandons	April 8	19 56
5	;	GAS SANDS OR			,
:	, 012 010	(Denote gas by G)	. 20.12		
No. 1, from t	ю [:]	No. 4, f	rom	to	
No. 2, from t					
Vo. 3, from t	ю ^і	No. 6, f	rom	to	PER
· ·	IMPOR	FANT WATER	SANDS . FOR	white it is	
No. 3, fromt	o'	No. 3, f	WHIGHING 1	to	***********
No. 2, from t			rom	to	
	. С.	ASING RECORI)		
Size Weight Threads per casing per foot inch	Make Amour	t Kind of shoe	Cut and pulled from	Perforated	Purpose
		0 621 Harres		From- To-	
f shots. If plugs or bridges were put 8 354 8 8	tan to legi for wate	er, state kind of mate	erial used, position	and results of pump	ag or puning.
vith the reasons for the work and its	results H-there	-were any changes-	ભાવલ-મા-૧૫૯-૯૫-માફી	1-2(8114-14)1-8444-15-6	Hir-6961946-M96
It is of the greatest importance to	,			ail the dates of rear	ling. fogether
	HISTORY	or on or c		CHARA- 2 U S. COVERANIA	FAINTING OFFICE
	MUDDING A	ND CEMENTIN	G RECORD		
Size Where set Number s	acks of cement	Method used	Mud gravity	Amount of n	ud used
9-5/8" 1060.33" 40	xo	Pump & Pluz			
1	ľ	S AND ADAPT			
Ieaving plug Material	4	Ledgth		Depth set	

P & A - MONTANA

BUCKLES "A" #1
Roosevelt Co./22-28N-51E

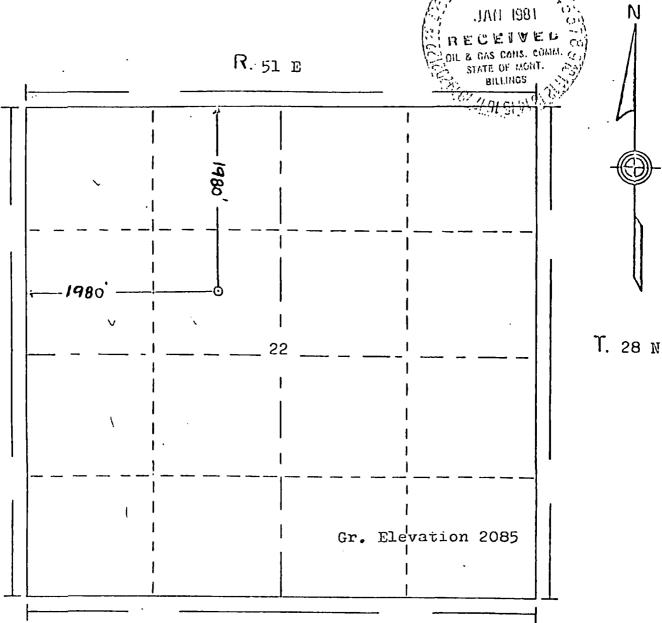
05/23/84 5870' PBTD, RU Halliburton. Pump 50 bbls produced wth Wdn tbg. Had 1250# @ 5 BPM. Pump 5 bbls fresh wtr. Pump 25 sxs.Cl. "G" cmt w/ .2% HR-8 retarder. Flush w/ 34 bbls produced wtr. Start to stage cmt for squeeze. Dspl w/ 35.4 bbls total @ end of squeeze. Obtain squeeze w/ 1250# TP. Bled back to 500# TP. SIFN. DW: 2050. CW: 2050.

JUN 1984

PRECEIVED TO

- 05/24/84 5870' PBTD, SITP 1570#, SICP 475#. Blew dn tbg & annulus. Had no indication of fluid entry. DW: 200. CW: 2250.
- 05/26/84 5870' PBTD, RU Allison Rig #14. ND wellhead. NU BOP. Sting out of pkr. Pull up 10' w/ 2-7/8" tbg. RU Halliburton. Pump 35 sxs Cl "G" cmt from 5670-5370'. TOOH w/ tbg. ND csg head. Weld 5' pup jt on 5-1/2" csg. Attempt to pull out of slips. Pull 120,000#. Wouldn't pull out. Chain csg dn to wellhead. RU Praire WL. Attempt to RIH w/ csg cutter. Hit tight spot ê 669'. POOH. RIH w/ 4-1/2" gauge ring to 1400'. POOH. RIH w/ smaller OD cutter to 1250'. Cut csg. Csg came free, broke chain, stopped 5' out of slips. RD Praire WL. TOOH & LD 1250' of 5-1/2" csg. TIH to 1300' w/ tbg. RU Halliburton. Pump 55 sxs Cl "G" cmt from 1300-1170'. TOOH & LD tbg to 950'. Pump 50 sxs from 950-800'. TOOH & LD tbg. Pump 15 sxs ê surf. RD Halliburton. ND wellhead. RD Allison & RR ê 7:30 PM 5/25/84. Well P & A'd on 5/25/84. FINAL REPORT!!! DW: 19,424. CW: 21,674.

FORM F-106



Powers Elevation of Denver, Colorado has in accordance with a request from Charlie Curlee Texas Oil & Cas Corp. determined the location of Buckles A #1 to be 1980fnl, 1980fwl Section 22 Township 28 N Runge 51 E of the Hontana Principle Meridian RooseveltCounty, Montana

Scale ... I" = 1000'

I horeby certify that this plat is an accurate representation of a correct survey showing the location of Buckles A #1

Date: 1-7-81

Land Surveyor No. 21348 State of Montana

N

Form	 •

THIS FORM BECOMES A PERMIT WHEN STAMPED APPROVED BY AN AGENT OF THE BOARD.

BOARD OF OIL AND GAS CONSERVATION JAN 1981 OF THE STATE OF MONTANA, HECEIVED BILLINGS OR SHELBY CON & GAS CONS. COMM. CAN 26-3.18(10)-S18380

MAC 36-3.18(10)-S18020 MAC 36-3.18(10)-S18030 MAC 36-3.18(10)-518140 MAC 36-3.18(10)-S18170 MAC 36-3.18(10)-518200 MAC 36-3.18(10)-518310 MAC 36-3.18(10)-518330

STATE OF MONT. SUNDRY NOTICES AND REPORT OF WELLS LINGS

Notice of Intention to Drill	XX	Subsequent Report of Water, Shut-off
Notice of Intention to Change Plans		Subsequent Report of Shooting, Acidizing, Cementing
Notice of Intention to Test Water Shut-off		Subsequent Report of Altering Casing Called 12 19
Notice of Intention to Redrill or Repair Well	_	Subsequent Report of Redrilling or Hapely 1 1 2 1
Notice of Intention to Shoot, Acidize, or Cement		Subsequent Report of Abandon giont 10 - 10.
Notice of Intention to Pull or Alter Casing		Supplementary Well History CHECK " CPIM!
Notice of Intention to Abandon Well		Report of Fracturing
		ORNIN DATE
(Indicate Above by Check	Mark Na	ture of Report, Notice, or Other Data) EN

January 27, 19.81 described as follows: Following is a notice of intention to do work on land report of work done owned leased LEASE Buckles Roosevelt E. Poplar C-5E-(11) 22 T28N
(m. sec.) (Township) R51E (Meridian) ft. from $\begin{cases} \frac{N}{8} & \text{line and} \\ \frac{N}{8} & \text{line of Sec...} \end{cases}$ The well is located LOCATE WELL SITE ACCURATELY ON PLAT ON BACK OF THIS FORM. The elevation of the ground or 188, above the sea level is ... 2085.

READ CAREFULLY

DETAILS OF PLAN OF WORK

READ CAREFULLY

(State names of and expected depths to objective sands; show size, weights, and lengths of proposed casings, cementing points, and all other important proposed work, particularly all details of Shooting, Acidizing, Fracturing)

DETAILS OF WORK RESULT

Correspond to be a NO drill culting samples required

- 1. Drill $12\frac{1}{3}$ " hole to $\frac{1}{2}$ 1200'. Set 8 5/8", 24#, K-55, casing and cement to surface.
- Drill 7 7/8" hole to \pm 6000'. Log, evaluate, and if warranted set $5\frac{1}{2}$ ", 15.5# § 17#, K-55 casing at + 6000', with 700 SX cement.
- Perforate Mission Canyon and complete as a single oil well.

SALTWATER PITS SHALL OF IMPERMEABLE

Approved subject to conditions on reverse of form

FILING WITH THE COMMISSION ALL LOGS, The A IT ARRIVES MADE The second was a differ All is in KUEF NO. 230.

Company Texas Oil and Gas Corp. ву Leo A. Heath

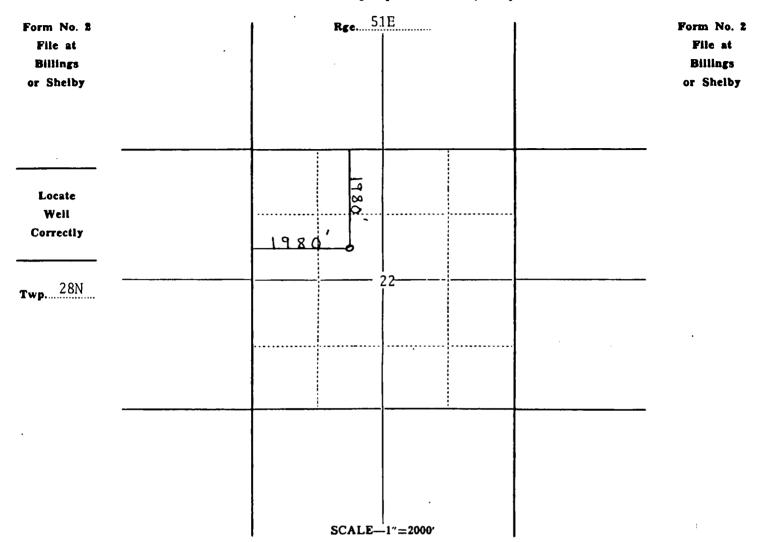
Title District Engineer 2705 Montana Avenue, Suite 300 Address Billings, Montana 59101

248-4330

NOTE:-Reports on this form to be submitted to the appropriate District for approval DRILLING PERMIT EXPIRES 90 DAYS FROM DATE OF APPROVAL. UPON WRITTEN REQUEST PRIOR TO EXPIRATION DATE, ONE 90 DAY EXTENSION MAY BE GRANTED.

BOARD USE ONLY API WELL NUMBER

Locate well by footage measurement from legal subdivision (Section) line and nearest drilling or producible well, if any,



THE NOTICE OF INTENTION TO DRILL THIS WELL IS APPROVED SUBJECT TO THE FOLLOWING CONDITIONS:

- 1. Any person, before commencing the drilling of any oil or gas well or water source or injection well shall secure from the Board a drilling permit and shall pay to the Board the following amounts: for each well whose estimated depth is thirty-five hundred (3,500) feet or less, twenty-five dollars (\$25.00); from thirty-five hundred and one (3,501) feet to seven thousand (7,000) feet, seventy-five dollars (\$75.00); seven thousand and one (7,001) feet and deeper, one hundred fifty dollars (\$150.00).
- 2. No well is to be spudded in unless the proper surety drilling bond has been posted and approved by the Board of Oil and Gas Conservation of the State of Montana.
 - 3. Cable tool operators must construct an adequate sump to contain all mud and water bailed from the hole.
- 4. Surface or conductor casing must be properly cemented by an approved method and pressure tested to determine a tight bond with the surrounding formations in case an unexpected flow of oil, gas or water should be encountered, unless special permission has been granted for formation shut-off.
- 5. Any production casing must be cemented unless a formation shut-off or packer is approved by the Board. Sufficient cement must be used to protect the easing and all possible productive and fresh water bearing formations exposed in the process of drilling and not otherwise protected.
- 6. All production easing must be tested by bailing or pressure to determine if there is a tight bond with the surrounding formations or possible leaks in the easing. The results of the test must be reported on Form No. 2, said report to include the size, weight, thread and length of easing, amount of cement used, and date work is done. If test shows failure, the defect must be corrected before any drilling operations are resumed.
- 7. Any contemplated change in status of a well such as to plug and abandon, deepen, plug back, redrill, after easing, etc. must be presented on Form No. 2 for approval by the Board prior to commencement of work.
- 8. A satisfactory drilling record must be kept for each tour, showing top and thickness of each and all formations drilled and all other information of value, one copy of which is to be kept at the rig while drilling is in progress for examination by any authorized agent of the Board.
- 9. All producing wells must be marked with name of the operator, number of the well and location, using reasonable precautions to preserve these markings at all times.
- 10. Delivery to the Board of two copies of all surveys, reports, analyses, logs, tests, samples and core descriptions, etc., as described in Rule 36-3.18(10)-S18310 and one copy of all cementing records as furnished by the cementing company and described in Rule 36-3.18(10)-S18350.
- 11. All work must be done in conformity with the regulations of the Board of Oil and Gas Conservation of the State of Montana, as contained in "General Rules and Regulations," and amendments thereto, as well as regulations prescribed in lieu thereof.

- (f)

Form No. 1

NOTICE THIS FORM BECOMES A PERMIT WHEN STAMPED APPROVED BY AN AGENT OF THE BOARD.

31,5678 (SUBMIT IN QUADRUPLICATE)

CARM 36.22.307 ARM 36.22.1003 ARM'96.22.601 ARM 36.22.1004 ARM 36,22.602 ARM 36.22.1013

BOARD OF OIL AND GAS CONSERVATION OF THE STATE OF MONTANA

BILLINGS OR SHELBY

OTHER COMMISSIONS COM

ARM 36.22.603 ARM 36.22.604 36.22.605

list 6-22-84

ARM 36.22,1301-ARM 36.22.1306 ARM 36.22.1309

Share of MONE SUNDRY NOTICES AND REPORT OF WELLS

Subsequent Report of Water Shut-off
Subsequent Report of Shooting, Acidizing, Cementing
Subsequent Report of Altering Casing
Subsequent Report of Redrilling or Repair
Subsequent Report of Abandonment Fraduces XXXX
Supplementary Well History
Report of Fracturing

(Indicate Above by Check	Mark Nature of Report, Notice	e, or Other Data)	
		May 29,	, 19 84
Following is a notice of intention to do work or report of work done	n land } owned describ leased LEA	oed as follows: .se Buckles	
MONTANA Roosevelt		East Popla	r
Well No. "A" #1 C SENU/ 22	28N	51E	
(m. sec.)	(Township)	(Range)	(Meridian)
The well is located		from the time of Sec	22
LOCATE WELL SITE ACCURATELY ON PLAT ON	BACK OF THIS FORM.		
The elevation of the ground or K.B. above the sea lev	rel is2085.!		
READ CAREFULLY DETAIL	LS OF PLAN OF WORK	R	EAD CAREFULLY
(State names of and expected depths to objective sands; important proposed work, particularly all details of Shooting	show size, weights, and lengths ig, Acidizing, Fracturing.)	s of proposed casings, cement	ing points, and all other
D	ETAILS OF WORK RESULT		

The well was plugged on 5-25-84. The well history of the plugging operations is attached. The following is a summary of the cement plugs:

- 25 sxs cmt through perfs (5796'-5800'). 1.
- 35 sxs cmt 5670'-5370'. 2.
- 55 sxs cmt 1300'-1170' (50' below 5½" csq stub @ 1250' & 3. 50' above 8-5/8" csg shoe @ 1220').
- 50 sxs cmt 950'-800' (25' above & 25' below Judith River).
- 15 sxs cmt @ surface.

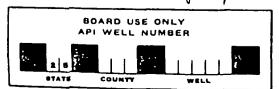
Casing was cutoff below surface.

EXCATION INSPECTED & APPROVED

Approved subject to conditions on reverse of form

Date JUN 1 8 1984 Nauchlad it District Office Agent Title

XXO Production Corp. Company. M. David Clouatre Tide Drilling & Production Engineer 1800 Lincoln Center Building Address Denver, CO 80264



NOTE:-Reports on this form to be submitted to the appropriate District for approval DRILLING PERMIT EXPIRES 90 DAYS FROM DATE OF APPROVAL. UPON WRITTEN REQUEST PRIOR TO EXPIRATION DATE, ONE 90 DAY EXTENSION MAY BE GRANTED.

Locate well by footage measurement from legal subdivision (Section) line and nearest drilling or producible well, if any.

Form No. 2 File at Billings or Shelby		· Rge		Form No. 1 File at Billings or Shelby	
Locate Well Correctly				•	
Twp	·				
					•

THE NOTICE OF INTENTION TO DRILL THIS WELL IS APPROVED SUBJECT TO THE FOLLOWING CONDITIONS:

SCALE-1"=2000"

- 1. Any person, before commencing the drilling of any oil or gas well or water source or injection well shall secure from the Board a drilling permit and shall pay to the Board the following amounts: for each well whose estimated depth is thirty-five hundred (3,500) feet or less, twenty-five dollars (\$25.00); from thirty-five hundred and one (3,501) feet to seven thousand (7,000) feet, seventy-five dollars (\$75.00); seven thousand and one (7,001) feet and deeper, one hundred fifty dollars (\$150.00).
- 2. No well is to be spudded in unless the proper surety drilling bond has been posted and approved by the Board of Oil and Gas Conservation of the State of Montana.
 - 3. Cable tool operators must construct an adequate sump to contain all mud and water bailed from the hole.
- 4. Surface or conductor casing must be properly cemented by an approved method and pressure tested to determine a tight bond with the surrounding formations in case an unexpected flow of oil, gas or water should be encountered, unless special permission has been granted for formation shut-off.
- 5. Any production casing must be cemented unless a formation shut-off or packer is approved by the Board. Sufficient cement must be used to protect the casing and all possible productive and fresh water bearing formations exposed in the process of drilling and not otherwise protected.
- 6. All production casing must be tested by bailing or pressure to determine if there is a tight bond with the surrounding formations or possible leaks in the casing. The results of the test must be reported on Form No. 2, said report to include the size, weight, thread and length of casing, amount of cement used, and date work is done. If test shows failure, the defect must be corrected before any drilling operations are resumed.
- 7. Any contemplated change in status of a well such as to plug and abandon, deepen, plug back, redrill, alter casing, etc. must be presented on Form No. 2 for approval by the Board prior to commencement of work.
- 8. A satisfactory drilling record must be kept for each tour, showing top and thickness of each and all formations drilled and all other information of value, one copy of which is to be kept at the rig while drilling is in progress for examination by any authorized agent of the Board.
- 9. All producing wells must be marked with name of the operator, number of the well and location, using reasonable precautions to preserve these markings at all times.
- 10. Delivery to the Board of two copies of all surveys, reports, analyses, logs, tests, samples and core descriptions, etc., as described in Rule 36.22.1013 and one copy of all cementing records as furnished by the cementing company and described in Rule 36.22.1241.
- 11. All work must be done in conformity with the regulations of the Board of Oil and Gas Conservation of the State of Montana, as contained in "General Rules and Regulations," and amendments thereto, as well as regulations prescribed in lieu thereof.

080 21267 C SE NW

Form No.

13 14 Gen. Rule 206.3 and 230

LOCATE WELL CORRECTLY •

NR

Mcf of gas per___

_barrels of water per__

(SUBMIT IN TRIPLICATE)

BOARD OF OIL AND GAS CONSERVATION RECEIVED

COMPLETION REPORT

	•			OF OF	THE STA	TE OF M	ONSERVA ONTANA	ATIO	CORECE	1981)
					BILLING	OR SHEL	.BY		CO OIL & GAS C	NED	1/
-	+			COMP	LETI	ON R	EPOI	RT	STATE OF BILLING		16
									LEGE BE	51536	9
Company	Texas Oil 8	Gas Cor	p.	Le	ase B	uckles	''Λ''			Well N	o. <u> </u>
Address	2705 Montar	na Ave.	Suite 300	Billings	, MI Fiel	d (or Aı	rea)Ea	st	Pop1ar		
The well is			(N) n)XX line an			WW V					
Sec22	; T28	BN; F	851E	; County	Roos	eve1t			; Elevation	on 2097	
	drilling Apr						May 4,		,	(D.F.,	R.B. or G.L.)
	formation given										
of the well	at the above di	ate.				-	Les- O	J	of the	age is to	the contin
Completed	as <u>oil well</u>	gas well, dry	hole)		Signed		, 0	- ^	Lans		
					Title	Project	Engine	er			
					Date	5-11-8	1				
			IMPO	RTANT ZO	ONES OF	POROS	SITV				
			oil by O, ga	as by G, w	ater by V			if	known)		
	96' to										
	to					L	to.				
	to					l	to_				
Clas	Wateh	1	1	CASINO	G RECO	RD					
Size Casing	Weight Per Ft.	Grade	Thread	Casing 5		From	То		Sacks of Cement	Pt	Cut and ulled from
8 5/8''	24	K-55	ST&C	1220	*	Surf.	122	0'	1000 sx (§ 150 sx		
5 1/2"	15.5 & 17	K-55	ST&C.	5933		Surf.	593	3!	120 sx @		N/A
	I	I		DV too1					440 sx @	DV too1	
				TUBING	G RECO	RD 					
	Size		Veight er Ft.	Grade	Thread	^	mount		Perforations		
	2 7/8	6.	5	J-55	8rd		5670'	(Open end.		
				COMPLET	TON RE	CORD					
	s were used from		ce					593	4'		
otal depth		; Plugged t	pack to 58	372'	T.D.; (pen hole	to	None	e	to	
	PERFORA	TIONS			Α	CIDIZED,	SHOT, SAN	D FR	ACED, CEMENT	TED	
From	To	Numbe Size and	r and i Type	From	terval To		Am Mate	ount rial (of Jsed	Pr	essure
5796	1 1		.33" dia.	5796	580	0 25	0 gal 1.	5% I	-ICL	Max 900	psi
		jets									
						- 11	f P&A sho	w n	lugs above)		
				INITIAL P	PRODUC		och sno	, m pi	ugs above)		
/ell is sec	ducing from	Charles "	C''		(===1)	(a					
•	ducing Hom					formatio	n.				
P82	ba	arrels of oil	per24	ho	ours_F1c	wing					

_% W.C.

(pumping or flowing)

91

hours.

hours, or (OVER)

24

INITIAL PRODUCTION—(Continued)

Initial 10-day average production Pressures (if measured): Tubing Casing Gravity36.6	N/A 415 pkr. ted to 60° F.)	(bbl./day _psi flowing; _psi flowing;) (if taken)	psi shut-in psi shut-iı
Gravity Ari (contac	ied to ou r.)			

DRILL STEM TESTS

D.S.T. No.	From	То	Tool Open (Min.)	Shut-In	F.P.	8.J.P.	Recovery	Cushion
	5780	5840	15/6	30/60	1390/238	0 2943/2	933 FTS in 6 min , full column HGC & OOMY	None
					_		column HGC & OOMV	
								_
					_			<u> </u>
				 				

CORES

No.	Interval	Repovered
	None	
 -		

LOG RUNS

Туро	From	То
DLL-MSFL	5943'	1220'
GR-CNL-FDC	5943'	3910'
GR-CNL	1.500'	100'
BHC Sonic	5943'	1220'

FORMATION RECORD

(Need not be filled out if Geologist sample description filed with Commission)				
From	То	SAMPLE AND CORE NO. AND DESCRIPTION	Top of Formation	
From		Greenhorn Mudds SS Dakota SS Swift Rierdon Piper Amsden Tyler Otter Kibbey Charles Charles "B" Greenpoint Charles "C"	2356 2954 3230 3607 4119 4363 4737 4863 5017 5182 5464 5658 5695 5800	

Form 9-331 a (Feb. 1951)

ENVIRONMENTAL

(SUBMIT IN TRIPLICATE)

BENCY PRO"

UNITED STATES

5 1998 DEPARTMENT OF THE INTERIOR NUN

MONTANA OFFICE

GEOLOGICAL SURVEY

Land Office Billings Lesso No. 3LM-A-012215 Unit East Porlar Unit

SUN	DRY NOTICES A	ND REPO	ORTS ON	WELLS	٠
				1 JAA.	
NOTICE OF INTENTION T	O DRILL	SUBSEQUENT	REPORT OF WATER S	HUT-OFF	
	O CHANGE PLANS	SUBSEQUENT	REPORT OF SHOOTIN	G OR ACIDIZING	_ _ `
NOTICE OF INTENTION T	O TEST WATER SHUT-OFF	SUBSEQUENT	REPORT OF ALTERIN	G CASING	.
NOTICE OF INTENTION T	O RE-DRILL OR REPAIR WELL	SUBSEQUENT I	REPORT OF REDRILL	ING OR REPAIR.	
NOTICE OF INTENTION T	O SHOOT OR ACIDIZE	SUBSEQUENT I	REPORT OF ABANDON	MENT	
NOTICE OF INTENTION TO	D PULL OR ALTER CASING	SUPPLEMENTA	RY WELL HISTORY		
NOTICE OF INTENTION T	O ABANDON WELL				
					<u>!</u> .]
	(INDICATE ABOVE BY CHECK MARK N	ATURE OF REPORT,	NOTICE, OR OTHER D	JATA)	
			January 16		10 53
	•		neninan y Io		17
_	is located .1155.ft. from	(~)		('')	_23
(M Boc. and Boc. No	23. 28N (Twp.)	51E (Rango)	Principal (Moridian)		
East Poplar	Roose	velt		Montana :	•
(Field)	(County or	Subdivisiou)		(State or Territory)	
he elevation of the	e derrick floor above sea leve	el is <u>2201</u> f	t.	JAN	2fg
	DETAIL	s of work	ζ.	4.	
itate names of and expect	ed depths to objective sands; show sizes ing points, and all oth	, weights, and leng ter important prop	ths of proposed casin losed work)	gs; indicate mudding Job	a, coment
E.P.U. # 3-G.	85h feet. Ran Schlur well with 10 sacks ce pipe. Placed a four cemented with five sa	ement at th inch pipe	e bottom of	the surface	
	Plugged and abandoned	1, 12-10-52		, , , , , , , ,	
	12-10-52.		Approved	1-19-53	
	w'866 38t,	9	thi	Sementer	-
I understand that this p	lan of work must receive approval in w	riting by the Geole	gical Survey before	operations may be comm	enced.
•	15.mahas Commonstian				

Company Furthy Corporation Address Box 76 Poplar, Montana Title District Production Sunt.

Budget Bureau No. 42-R356.1 BEY RETAINED D'STRICT OFFICE Form 9-330 R 51E U. S. LAND OFFICE Billings SERIAL NUMBER BIM-A-012245 LEASE OR PERMIT TO PROSPECT UNITED STATES EPARTMENT OF THE INTERIOR SEOLOGICAL SURVEY U. S. CECLUSIONL SURVEY CASPER WYOMING LOG OF OIL OR GAS WELL LOCATE WELL CORRECTLY Company Murphy Corporation Address Box 76, Poplar, Montana Lessor or Tract East Poplar Unit Field East Poplar State Montana Well No. 3-G Sec. 23 T. 28N R. 51E Meridian Principal County Prosevelt Location 1155ft. (N.) of S. Line and 1155ft. (E.) of W. Line of Sec. 23 Elevation 2201 Gr. The information given herewith is a complete and correct record of the well and all work done thereon so far as can be determined from all available records. Signed ... Date January 15, 1953 Title District Production Supt. The summary 13, 1393 upandoned, 13-1(1-52, 110 hrackfor the condition of the well at above date. 11.0 hrackfor the Commenced drilling December 7,30195206 19 5330 Planished drilling of December 10, 19.52 OIL OIL OR GAS SANDSOR ZONES LOT 18 10. December 10, 1052: (Denote gas by G) No. 1, from: None 123: 600 Leac. De. IIIu: Nov4, from 2.216. to No. 2, from No. 5, from ______ to _____ No. 6, from _____ to ____ WATER SANDS No. 1, from to represent the No. 2, from Lanaec 1. coNobel thom of an No. 2, from Ran 2 joints (of Let) Perforated Weight per foot Threads per inch Kind of shoe ひいするし ここ Cut and pulled from Purpose casing Last put in to test for water, state kind of misterial used, putito 16 phuga or bride ig It is cf the produces importance to have a complete his ory of the well. Flower through a little of the original producting with the results. If there were any changes made in the casing state full, and it any casing was reidetpacked, or left in the well, give its size and location. If the well has been dynamical, its nate, they position and number the bind of midelial production. HISTORY OF OIL OR GAS WELT MUDDING AND CEMENTING RECORD Size casing Where set Number sacks of cement Method used Mud gravity Amount of mud used 9 5/8 Pump & Plug 20 reg. cement

Length Depth set

LD | MARK

Heaving plug—Material

Adapters-Material.

Budget Bureau No. 42-R356. BEST COPY S AVAILABLE Form 9-330 R 518 U. S. LAND OFFICE ... Dealings SERIAL NUMBER BLM-A-012245 LEASE OR PERMIT TO PROSPECT JAN 20 1953 UNITED STATES ONL CONBERVATION BOARD AND BOAR OF RAIENGFRACTION BOARD AND BOARD THE INTERIOR 28 N BILLINGS GEOLOGICAL SURVEY LOG OF OIL OR GAS WELL MOSTANA LOCATE WELL CORRECTLY Company Murphy Corporation Address Box 76, Poplar, Montana Lessor or Tract East Poplar Unit Field East Poplar State Montana Well No. 3-0 Sec. 23 T.28M R. 51E Meridian Principal County Roosevelt. Location 1155 ft [N] of S. Line and 1155 ft [E] of W. Line of Sec. 23 Elevation 2201 Or. The information given herewith is a complete and correct record of the well and all work done thereon so far as can be determined from all available records. Signed ... Date .. Jamiery 15, 1953 - spendored 15-19-23* Title District Production Supt. The summary on this page is for the condition of the well at above date. SINGLEY SUG Commenced drilling Desamber 1952 To 1952 Finished drilling Decamber 10, office das sands on zones for short bysided Describer 10, 1952; (Denote gas by G) No. 1, from Bone Toes pao teet nalititus ness and ahale. No. Dedroman 12 Tazza ACTATUR AN TERRITE No. 5, from No. 3, from No. 6, from _____ to ____ PROTEIMPORTANT WATER SANDS TOPE OF THE VI DO ESPESA BURDING 3 NO. 3, from PLIC OFF WITE MING 50 No. 1, from Yan Z Jairon (50.14), 9 s(en 16 lba, 1-55 agrinos caning, landad 1,50 balbo Kotary Bushing, Carnual No. 2, from Budged Incasing RECORD V-H. Dellied to 551. Hecembur 7: 1952 Kind of shoe Cut and pulled from Tt is of the greatest impertance to have a complete history of the well. Please state in detail the dates of redriling, together with the reasons for the work and its results. If there were any changes made in the casing, state fully, and if any casing was "sidetracked" or lott in the well, give its size and location. If the well has been dynamited, give date, size, position, and number a type or briggs, were put in to to logismier, state kind of material used, position, and recults of pumping or balling. HISTORY OF OIL OR GAS WELL MUDDING AND CEMENTING RECORD Size Number sacks of cement Method used Where set Mud gravity Amount of mud us Pump & Plug

NURPHY 3-6

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\$3 R 512 Form 9-830

RECEIVE

O. G. LAND OFFICE ... FILLINGS.
SERIAL NUMBER BLA-OLZZIE

LEASE OR PERMIT TO PROSPECT.

JAN 20 1953

UNITED STATES

OF RABBOAND BOARD AND BOARD THE INTERIOR

MILLIANCE
GEOLOGICAL SURVEY

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Form 9-331 a (Feb. 1951)

(SUBMIT IN TRIPLICATE)

UNITED STATES DEPARTMENT OF THE INTERIOR GEOLOGICAL SURVEY

Land Office	Billinga
Lease No. BL	M-A-012245

Unit East Poplar Unit

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Company	Murnhy Corporation			•	

Company	Murphy Corporation	
Address	Box 76	
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		Title District Production Supt.

Form 9-331 a (Feb. 1951)

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Land Office Billings Lease No. BLM-A-012245

UNITED STATES DEPARTMENT OF THE INTERIOR GEOLOGICAL SURVEY

Unit East Poplar Unit

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I understand that this plan of work must receive approval in writing by the Goological Survey before operations may be commenced. ompanyMurphy Corporation ddressBox 76	.P.U. # 3-G.	65 feet. Ran 2 J-55 surface cas Bushing. Ground	joints (60.44 ing. Landed L to Rotary Bus sacks regular	feet) 9 5/8" 36 lbs., 1.60 feet below Rotary shing 3.50 feet. Cemen	t
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	mpany	at 11:00 A.M., 1 12-7-52 Plan of work must receive appr Murphy Corporati	roval in writing by the G	instrict Employers	<u></u>

Form 04830 U. S. LAND OFFICE BILLIAN SERIAL NUMBER BLH-A. 129805-LEASE OR PERMIT TO PROSPECT DEPARTMENT OF THE INTERIOR NOV \$ 1951 LOG OF OIL OR GAS WELL LOCATE WELL CORRECTLY Company MURPHY CORPORATION Address B-13 Behner Bldg, Billings, Wontant Lessor or Tract Field East Poplar State Hontana Well No. 32 Sec. 15 T. 26N R. 51E Meridian M.P.M. County Roosevelt Location 1980 ft S of N Line and 1980 ft W of E Line of Section 15 Elevation 2088 KB The information given herewith is a complete and correct record of the well and all work done thereon. so far as can be determined from all available records. houses mil Signed ... Harold Milam TitleDist. Production Superintendent Date November 2 1954 The summary on this page is for the condition of the well at above date. Commenced drilling Harch 22 Finished drilling April 21 OIL OR GAS SANDS OR ZONES (Denote gas by G) No. 1, from 5497 5503 No. 2, from ... 5635 Not 5, from RECEIVED No. 3, from 1. 5654 IMPORTANT WATER SANDS NOV. 4 1954 No. 1; from No. 3, from OIL AND OLS CONSERVATION COMMISSION No. 2, from No. 4 from CE THE STATE OF HOUTARA . EILLINGS CASING RECORD Weight Threads per Make Amount Kind of shoe Cut and pulled from 4 If is of the greatest importance to have a complete his ory of the well. Please state in detail the dates of redrilling forethers with the reasons for the work; and it any cashing was with the reasons for the work; and it any cashing was referred to be the work; and it any cashing was referred to be the work; and it and reasons to be date; else; position; and runtibut to the cashing were into the party of the kind of material used, position, and the untiling of balling. HISTORY OF OIL OR CAS WELL MUDDING AND CEMENTING RECORD Number sacks of centers, and Method used ... Mud gravity ... Amount of mud used Pump & Plug ... 800

FORMATION RECORD—Continued

Heaving plug-	Material	* **	Length	4.5	De	oth set william	1997 4
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		1000	COOLS LIST	D. T. W.	A Comment		2000年
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Cable tools wer	e used from	feet	to Language	feet,	and from	feet to	iee
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PLUCS AND ADAPTERS

101.4

OIL AND GAS CONSERVATION COMMISSION IN THE STATE OF MONTANA

BULLINGS OR SHELBY

WELL COMPLETION REPORT (NEW WELLS ONLY)

				•		
		ng				
		State Montana				
		Sec15Twp28	-			
Permit No)	Electric	: Log Run3-23-5	54. & . 4-16- 54	!	19
Number o	crude oil producing wells	s on this lease, including the	is well	••••••	••••••••••••	
		DATA	ON TEST			•
		er 24 , 1954 Hour 7A.N. Hours		a October 25	i 10.£	.4Hour7A ♠M.
For Flowis			For Pumping Well:			
Flowing p	ressure on Csg	Lbs./Sq. In.	Length of stroke us	sed6.4"		inches
		Lbs./Sq. In.	Number of strokes			
_		t. Run	Size of working be			
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	1 (100% ta					
Gas-Oil re	itio of this well isn	egligibleCu. Ft.	of gas per Bbl. of oil.		•	
Per cent o	f water produced during t	his test82%				
		est (corrected to A. P. 1. 60°				
_	ipe line or other carrier	Last Poplar Uni	ilGa.ineringbys.i	.em		••••••
If Shot: Date this:	well 3050K perforated or tr	ented5-21-54.	No.	Ots. used	;	
If Perfora	ted:		If Acidized:			
		11				
		ed				
Shooting,	perforating or treating co	mpanyland Wells &	Dowell			***************************************
		since shot or treatment to				
					23.00	Р. М.
Top of pay	/5790	Ft. Total depth of well	•	F't.	•	
		CASING	RECORD		 .	
Size	Put In Well Feet Inches	Pulled Out Feet Inches	Left In Well Feet Inches	No. Sacks Cement Used	Packers	Float Collars and Shoes
9-5/8"	992.55*	RECE	LVED	390		Howco
5-1/2"	5819 ¹	NOV-3	1954	300	-	Номсо
				<u> </u>		<u> </u>
		PASCHOD SKO GRA 110		<u></u>		
		CF THE STATE OF MI	DRIANA - LILLINGS		,	
	D 12 Debree	D i 7 . i i		MURPHV	CORPORAT	TON
Agent's ac		Building		A . (Nai	ne of Owner)	
	Billings, Mo	ntana	Hould mi	60 D	ist. Pro	d. Supt.
101	2-2131		(Signature)			(Title)
Phone	••••••	LOG C	OF WELL			

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#67 C - 1954

CONSTRUCT OF THE PARTY OF THE P

EAST POPLAR UNIT WELL #32 SW NE Section 15-T28N-R51E Roosevelt County, Montana

- March 22, 1954: Spudded 11:00 A.M., 3-22-54.
- March 24, 1954: Set 980.55° of 9-5/8" casing at 992.55° with 390 sacks cement. Plug down at 6:15 A.M., 3-24-54. Bumped plug with 800%. Released pressure, float held okay.
- April 19, 1954: Set 5809.10° of 5-1/2" casing at 5819° with 300 sacks Pozmix. Bumped plug with 1000#, held okay.
- April 20, 1954: Drilled plug and cement to 5812°. Ran open end tubing to 5790°. Displaced with oil. Rigged up to perforate.
- April 21, 1954: Set tubing at 5768.12°, Schlumberger measurement. Displaced water with oil and perforated 5790.5800°, Schlumberger measurement, with 50 shots. Acidized with 1000 gallons etching acid. Formation broke at 2000#. Injected 2.4 bbls. per minute at 1600#. Bled down to 1500#. Acid water to surface in 18 minutes; 10 per cent oil, 90 per cent acid water in 40 minutes. Now flowing 70 per cent to 90 per cent water at rate of 100 to 200 bbls. fluid per day, open flow with 500# casing pressure after 15 hours. Chlorids of water: 16,000 PPM.
- April 22, 1954: Flowed in tank at rate of 100 to 200 BFPD. Tubing pressure: 125#. Casing pressure: 625#. 60 to 80 per cent water. Chlorides: 13,000 PPM. Rig released at 2:00 P.M., 4-21-54.

EAST POPLAR UNIT WELL #32 SW NE Section 15-T28N-R51R Roosevelt County, Montana

- April 9, 1954: D.S.T. #1. Tool open 3½ hours. Opened with good blow; decreased to fair blow in 2½ hours. Gas to surface in 3 hours 20 minutes. Recovered 30° clean oil, 5165° salt water. Tool would not close for shut in pressure. IBMFP: 26#, FBMFP: 2503#, Hydro: 3330#. Bottom packer held okay. Reamed core hole and drilled to 5617°. Mud weight: 10.5#. Viscosity: 180.
- April 13, 1954: D.S.T. #2. Tool open 4 hours, opened with weak blow decreasing to very weak blow after 12 hours, that lasted throughout test. Recovered 60° gas, 5° clean oil, 565' salt water. IBHFP: 15#, BHSIP: 2663#, FBHFP: 220#, Hydro: 3463#. Shut in 20 minutes.
- April 14, 1954: D.S.T. #3. Tool open 4 hours, shut in 20 minutes. Opened with very weak blow, increasing slightly after 3 hours. Recovered 30' muddy oil-cut salt water, 1920' salty sulphury water. IBHFP: 15#, FBHFP; 985#, BHSIP: 2690#, Hydro: 3355#.
- April 16, 1954: D.S.T. #4. Tool open one hour. Shut in 20 minutes. Opened with fair blow that continued throughout test. Recovered 950° gas, 90° clean oil, 45° mud-cut oil, 30° oil-cut mud. No water. IBHFP: 28#, BHSIP: 3090#, FEMFP: 85#, Hydro: 3469#.

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PRIV C - 1954

THE CHARLES COMMISSION

EAST POPLAR UNIT WELL #32 SW NE Section 15-728N-R51E Roosevelt County, Montana

May 3, 1954: Run 500 gallons Dowell plugging material. Press climbed from 1400# to 3700# with 450 gallons in formation. Bypassed 50 gallons up casing and acidized with 3000 gallons etching acid. Average injection rate 2.7 barrels per minute at 1800#. Flowed spent acid in 7 minutes, formation fluid in 32 minutes. Cleaned to pits. Flowed at estimated rate of 100 BOPD and 400 BMPD. Open flow.

May 4, 1954: Testing. Test: Open flow, 5,43 NFPH, 35 per cent water with trace of mud, TFP: 100%, CP: 625%. Test not conclusive.

Installed a pumping unit

FIGURE STATE OF MUSEUM

ELECTRO LOG DATA

Type of Log	Interval Logged
Electrical Survey	77'-1015° 1015°-5820°
Microlog	2000°-5818°

Formation	Sch1umber	er Tops
Judith Rivor		
Baglessansonsonsonsonsonsonsonsonsonsonsonsonson		(+ 927)
Niobrara		(* 65)
Groenhorn	2362	(~ 274)
Granerosan and a same a company and a same	2570	(~ 482)
Huddy	2950	(= 862)
Dakota Silt	3142	(=1054)
Horrison ?	3497	(-1409)
Swift Parameters		(=1428)
Rierdon	3917	(-1829)
Piper Shale	4265	(~2177)
Piper Limestone	4350	(-2262)
Spearfish		(-2512)
Amsdon		(-2624)
Heathannousementenanananasassassassassassassassassassassa	4850	(-2762)
Ottorwanamanamanamanamanamanamanamanamanamana		(~2912)
Kibbey Sandstone		(-3052)
Kibbey Limestone		(~3205)
Madison		(~3298)

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Budget Bureau	49_120E0 9
Approval expli	rea 12-81-82

Form 9-381a (Feb. 1951)

(SUBMIT IN TRIPLICATE)

UNITED STATES DEPARTMENT OF THE INTERIOR GEOLOGICAL SURVEY

Land Office R1111ngs
Lonso No. BIM-A-029305-
Unit Rest Poplar
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SUNDRY NOTICES A	ND REPORTS ON WELLS
NOTICE OF INTENTION TO DRILL	SUBSEQUENT REPORT OF WATER SHUT-OFF.
NOTICE OF INTENTION TO CHANGE PLANS	SUBSEQUENT REPORT OF SHOOTING OR ACIDIZING
NOTICE OF INTENTION TO TEST WATER SHUT-OFF	SUBSEQUENT REPORT OF ALTERING CASING
NOTICE OF INTENTION TO RE-DRILL OR REPAIR WELL	
NOTICE OF INTENTION TO SHOOT OR ACIDIZE	
NOTICE OF INTENTION TO PULL OR ALTER CASING	SUPPLEMENTARY WELL HISTORY
HOTICE OF INTENTION TO ABANDON WELL.	
(INDICATE ABOVE BY CHECK MARK	NATURE OF REPORT, NOTICE, OR OTHER DATA)
Well No32 is located1980. ft. from	$\{\begin{array}{c} N \\ S \end{array}\}$ line and 1980 ft. from $\{\begin{array}{c} E \\ Y \end{array}\}$ line of sec 15
SH NE 1300 No.) (Twf.) No.)	
East Poplified) (Olimos	FBird Vision) (State Frittery)
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	LS OF WORK
State names of and expected depths to objective sands; show size ing points, and all o	es, weights, and lengths of proposed casings; indicate mudding jobs, coment- ther important proposed work)
cement. Total depth is expected to	h surface pipe will be set with 450 sacks be 5900 feat so as to evalulate the producing inch, 15.50% casing will be set for pro-
Adequate blow out preventers will be	installed. APPROVED SUBJECT TO CONDITIONS SHOWN ON REVERSE
	(Grig. Sgd.) H. H. PERDICS OCT 29 199
	DISTINCT ENGINEER DATE
I understand that this plan of work must receive approval in	writing by the Geological Survey before operations may be commenced.
Company	
Address	// >
Poplar, Kontana	By Baralo Mila
	TitlerestrictProduct tow Sunt

U. S. COVERNMENT PRINTING OFFICE 10--8437-4

Form 9-881a (Feb. 1951)					

(SUBMIT IN TRIPLICATE)

Land Office R. 11ings				
Lesse No.	BIN-	1-029305-		
Unit	East	Poplar		

	UNITED STATES	Lease No. BIJj-A-029305-A
DEPAR	TMENT OF THE INTERIOR	Unit Bast Poplar
	GEOLOGICAL SURVEY	
		RECEIVED
SUNDRY NOTICE	ES AND REPORTS O	N WELLS A SOUN
SUNDKI NOTIC	ES AND REPORTS O	A EMMOI (1903)
NOTICE OF INTENTION TO DRILL	SUBSEQUENT REPORT OF WATE	ER SHUTLOFE GEOLOGICAL SUIVEY
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NOTICE OF INTENTION TO SHOOT OR ACIDIZE		DONMENT
NOTICE OF INTENTION TO PULL OR ALTER CASING	SUPPLEMENTARY WELL HISTOR	ry.
OTIES OF INTERPROPERTY ABANDON WELL		
(INDICATE ABOVE BY CHI	ECK MARK NATURE OF REPORT, NOTICE, OR OTHI	ER DATA)
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	DETAILS OF WORK	
(State names of and expected depths to objective sands ing points	; show sizes, weights, and lengths of proposed o , and all other important proposed work)	casings; indicate mudding Jobs, coment-
Ran 500 gallons of Dowell Plugg	ging Material. Pressure cl	Limbed from 1400 to 3700
with 450 gallons in formation.	By-passed 50 gallons up o	asting and acidized with
3000 gallons of etching acid. spent acid to surface in 7 minut		
to pits flowed estimated rate		
	h.i.e.v	
	Approved - MAI	1 2 1954
	(Oriz. Szd.) II.	n. pennico
	Approved (Oriz. Sad.) II.	liusar
I understand that this plan of work must receive a	pproval in writing by the Geological Survey bef	ore operations may be commenced.
Company Hurphy Corporation		
Address Bex 447		
Addiese		. 0 . 3 . 4
Poplar, Montana	Ву // а	ield milou
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U. S. GOVERNMENT PRINTING OFFICE 16-8487-5

Form 9-381 a (Feb. 1951)				
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(SUBMIT IN TRIPLICATE)

Land Office HITTINGS
Lane No. 9125-A-029305-A
Unit

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	DEPARTME	ENT OF THE INTERIOR	Unit Fist Popular
	GEO	LOGICAL SURVEY	
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	ing points, and a	all other important proposed work)	
O' below RKB and a perforated with I h 50 shots. Acidi ected 2.4 barrels or to surface in I wing 70 to 90% wat	et at 5768.13' Lane Welle Tubir Land with 1000 (per minute at 1 LB minutes. 10; Ler at the rate	Schlumborger Esasure. Ing Oun from 5790 to 580 gallons Etching Acid. 15 1600#. Bled down to 15 5 cil, 90% acid water a of 100 to 200 barrels	Amorican Tubing. Land Displaced water with of D, Schlumberger Measure, Eprentien broke at 2000/ 20% at end of job. Acid Ster 10 more minutes. A of fluid per day open fl
h 500% G.P. after	15 hours. Chle	orides on water 16,000	
		Apr 26 19	
		(Oriz Scal) II. H. Penniga	
understand that this plan of w	rork must receive approval	l in writing by the Goological Survey before	ore operations may be commenced.
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Iress Box 447	lorporation		
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Panlar.	Montana	Dy/.(

Form 9-881a	• €	Approval expires 12-31-55.
Form 9-881a (Feb. 1981)	(SUBMIT IN TRIPLICATE)	Land Office 24.1.14.258
	UNITED STATES	Lease No. BIMEA-029305-A
APR 23 195"	UNITED STATES RTMENT OF THE INTERIOR GEOLOGICAL SURVEY	Unit East Ponlar
See Secration Cellishistics	RIMENI OF THE INTERIOR	
OIL WAS BERTHIE OF MONTANY - BUTTHER	GEOLOGICAL SURVEY	RECEIVED
Total Title Still I		APR 22 1954
SUNDRY NOTIC	CES AND REPORTS ON	
NOTICE OF INTENTION TO DRILL	SUBSEQUENT REPORT OF WATER	SHUT-OFF BILLINGS, MONTAUP
NOTICE OF INTENTION TO CHANGE PLANS	SUBSEQUENT REPORT OF SHOOTI	
NOTICE OF INTENTION TO TEST WATER SHUT-OFF.	SUBSEQUENT REPORT OF ALTERI	NG ÇASING
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NOTICE OF INTENTION TO SHOOT OR ACIDIZE	The state of the s	
NOTICE OF INTENTION TO PULL OR ALTER CASING	SUPPLEMENTARY WELL HISTORY	
MOTION OF INTENTION TO ABAILDON WELL.		
(INDICATE ABOVE BY	CHECK MARK NATURE OF REPORT, NOTICE, OR OTHER	DATA)
	April-19	,, 19. <u>54</u>
	45 T.	
Well No. 32 is located 1980	. ft. from \{\sigma\} line and 1980 ft. fro	om kill line of sec15
Two	28 H (Range) (Mindian)	
- Elmonds - Florent Toront	(County of Subdivision)	Montens
Easty Punistry, 144	(Coulty of Bub (Hylsion)	(State or Territory)
The elevation of the derrick floor abo	ve sea level is ft	
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	DETAILS OF WORK	
(State names of and expected depths to objective sar ing poin	nds; show sizes, weights, and lengths of proposed cas nts, and all other important proposed work)	ings; indicate mudding jobs, coment-
Casing. Set at 5819, Schlumb type Scratchers at 5479 to 59 ligers at 5447, 5538, 5652, 5 at 5817 and Halliburton Baffi	suggeround	below HEB. HCWCO Roto- 5817. Five HCWCO Centra- intenstic Fill-up Shoe Ath 300 sacks Posmix. released pressure, and API 1/2 1954
		H. H. PERNISO
	िक्षा के ताल्य	Manager and the Control of the Contr
l understand that this plan of work must receive	approval in writing by the Geological Survey before	operations may be commenced.
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Company Murphy Corpore	stion	***************************************
Address Box 147		•
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U. S. GOVERNMENT PRINTING OFFICE 16-8437-8

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(SUBMIT IN TRIPLICATE)

UNITED STATES DEPARTMENT OF THE INTERIOR GEOLOGICAL SURVEY

Land Office
Lease No Bland - 029305-A
Unit Best Poplar
THE SOLVED

NOTICE OF INTENTION TO RE-DRILL OR REPAIR WELL	SUBSEQUENT REPORT OF ABANDONMENT SUPPLEMENTARY WELL HISTORY
(INDICATE ABOVE BY CHECK MARK	K NATURE OF REPORT, NOTICE, OR OTHER DATA)
Well Nogg is located1980. ft. from	$\{ S_{i}^{N} \}$ line and $\{ S_{i}^{N} \}$ line of sec
(1 Sec. and Sec. No.)5	_
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(Field) (County	or Subdivision) (State or Territory)
The elevation of the derrick floor above sea le	vel is page ft. K. R.
	ILS OF WORK
State names of and expected depths to objective sands; show six	zes, weights, and lengths of proposed casings; indicate mudding jobs. cemer
ing points, and all c	other important proposed work)
ill stem test #4: Testing C Mone.	Total dopth 5795 with single packer at 577 P.M., 4-15-54, with fair blow, continued
roughout test. Recovered 950 gas.	90' clean oil, 45' mid cut oil and 30' oil WFR-858; 20 minutes BUSIR-30906; Hydro-3463 APR 2 2 1954
roughout test. Recovered 950 gas.	APR 2 2 1954
roughout test. Recovered 950 gas.	MFR-858; 20 minutes MISIR-30706; Hydro-3163 APR 2 2 1954
roughout test. Hocovered 950 gas.	APR 2 2 1954
oughout test. Hocovered 950' gas, mud with no water. THEP-28#; Pan	APR 2 2 1954 (6rk sgl.) H. H. Pellaled Enertal Engineer
roughout test. Honovered 950 gas, said with no water. THEP-28#; Par	APR 2 2 1954
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roughout test. Honovered 950 gas, at said with no water. THEF-286, Part and with no water. THEF-286, Part and understand that this plan of work must receive approval in Company	APR 2 2 1054 APR 2 2 1054 (Gric Sgd.) H. H. Pellaleo (matrix Euglisea

Title Ass't - Production Supt.

For (I	nn 8 -	881 a 81)	•	
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(SUBMIT IN TRIPLICATE)

UNITED STATES

Land	Office Billings
Louso	No31M-A-129305-A

		CEIVED
SUNDRY NOT	ICES AND REPORTS ON WELLS	15 1954
NOTICE OF INTENTION TO DRILL	SUBSEQUENT REPORT OF SHOOTING OR ACIDIZING FF. SUBSEQUENT REPORT OF REDRILLING OR REPAIR SUBSEQUENT REPORT OF REDRILLING OR REPAIR SUBSEQUENT REPORT OF REPAIR ON MENT I I I I I I I I I I I I I I I I I I I	GS, PO (181)
(INDICATE ABOVE B	BY CHECK MARK NATURE OF REPORT, NOTICE OR OTHER DATA! YATIJN GUMLINS CF THE STATE OF MORTANA - CILLI April 1 11.	K85
Well No32 is located196	86. ft. from. $\mathbb{R}^{\mathbb{N}}$ line and 1980. ft. from $\mathbb{R}^{\mathbb{E}}$ line of se	- "
	(Radio Reside	
East Popler	(Single Structure) (Single Structure)	
The elevation of the derrick floor ab	, , ,	
	DETAILS OF WORK	
(State names of and expected depths to objective ing p	sands; show sizes, weights, and longths of proposed casings; indicate mudding points, and all other important proposed work)	jobs, coment-
rt 10:36, 4-12-54, with weak tinued throughout test. Reco PHIFF-220#, 20 minutes HISIF-2 Drill stem test Mo. 3, straidl Tool open at 6:12 A.M., 4-13-5 hours. Recovered 30' muddy oi	the packers at 5632 to 5641. Tool open h hor blow, increasing to very weak blow after 13 overed 60° gas, 5° clean oil, 565° salt water 2663#; Hydro-3463#. Bottom packer held okay be packers, 8-2 %one, 5642 to 5653. Tool open by the packers, 8-2 %one, 5642 to 5653. Tool open by the packers, 19-20° salt sulphur water. 19-20° salt sulphur water. 19-20° salt sulphur water. 19-20° salt sulphur water.	hours. Con- r. IMPR-15/ en 4 hours. after 3 IMPR-15#;
	Name of the Party	KQ
I understand that this plan of work must reco	7961 / 1 Hd V	Aprorda A
	eive approval in writing by the Geological Survey before operations may be co	-
Company Marphy Corporat		**************
Address	Districted Englished	•
	n 1722 4 /	
,	Title ASS t. Matrict Produc	ition Supt.

	19-	881 a 851)	•	
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(SUBMIT IN TRIPLICATE)

UNITED STATES DEPARTMENT OF THE INTERIOR GEOLOGICAL SURVEY

and	Office	 M	1.1.1	Ðſ	8	

Lana No. DIMA-029305-A

Unit East Poplar

APR 15 1950

SUNDRY NOTICES AND REPORTS ON WELLS

	T	SUBSEQUENT REPORT OF WATER SHUT-OFF
NOTICE OF INTENTION TO DRILL.		SUBSEQUENT REPORT OF WATER SHUT-OFF
NOTICE OF INTENTION TO CHANGE PLANS		SUBSEQUENT REPORT OF SUGGESTING OR ACIDIZING.
NOTICE OF INTENTION TO TEST WATER SHUT-OFF	_	SUBSEQUENT REPORT OF STOCKTING OR ACIDIZING SUBSEQUENT REPORT OF RE-DRILLING OR REPAIR
NOTICE OF INTENTION TO RE-DRILL OR REPAIR WELL		SUBSEQUENT REPORT OF RE-DRILLING OR REPAIR
NOTICE OF INTENTION TO SHOOT OR ACIDIZE		SUBSEQUENT REPORT OF ABANDONMENT
NOTICE OF INTENTION TO PULL OR ALTER CASING	<u> </u> :	SUPPLEMENTARY WELL HISTORY
NOTICE OF INTENTION TO ABANDON WELL		
	-1	<u></u>

(INDICATE ABOVE BY CHECK MARK NATURE OF REPORT, NOTICE, OR OTHER DATA)

	***************************************	April 12,	, 19 5 4
Well No32 is located	$d = 1980$. ft. from $\begin{Bmatrix} N \\ S \\ XX \end{Bmatrix}$ line and	1980ft. from $\left\{egin{array}{c} \mathbf{E} \\ \mathbf{W} \end{array}\right\}$ line of	sec 15
SI IF Section 15	(Range)	(Mential)	
- East Poplar	(OMRGAXAID)	(state of rankory)	

The elevation of the derrick floor above sea level is . 2088. ft. K.B.

DETAILS OF WORK

(State names of and expected depths to objective sands; show sizes, weights, and lengths of proposed casings; indicate mudding jobs, cementing points, and all other important proposed work)

5617' Drill stem test No. 1, straddle packers 5493 to 5503, total depth 5548. Tool open 32 hours. Tool opened at 11:10 A.M., 4-8-54, with good blow, increasing to fair blow in 23 hours. Cas to surface in 3 hours and 20 minutes. Recovered 30' of clean oil and 5165' of salt water. Tool would not close for shut-in pressure. ISHFP-26#; FBHFP-2503#, Hydro-3300. Bottom packer held okay.

Approved APR 17-1954
(Gilg. Sed.) II. H. PEURICO

Tradius Regulators

I upderstand that this plan of work must receive approval in writing	by the Geological Survey before operations may be commenced.
Company Murphy Corporation	
Address Box 1117	•
Foplar, Montana	By Harold Milan
	Title Metrict Production Supta-

For (l	m 9- Feb. 1	881 a 861)	•	

(SUBMIT IN TRIPLICATE)

UNITED STATES **DEPARTMENT OF THE INTERIOR**

Land Office 11111gs
Lonso NoBEH-A-029305-1

	GEOLOGICAL SURVEY	
	APR 2 195	4
SUNDRY NOTICE	ES AND REPORTS ON WELLS. GEOLOGICAL SC	υβVi
	RILLIAGE, MONTAL	
NOTICE OF INTENTION TO DRILL		
NOTICE OF INTENTION TO CHANGE PLANS		
NOTICE OF INTENTION TO TEST WATER SHUT-OFF		
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	SUPPLEMENTARY WELL HISTORY	
(INDICATE ABOVE BY CHE	CK MARK NATURE OF REPORT, NOTICE, OR OTHER DATA)	
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	(N) (F)	
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31 1 1 strait on 35 (126)	(Range) (Mendimor)	
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(Freid)	(County of Salutavision) (State of Territory)	
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1	DETAILS OF WORK	
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American Casing. Landed 12' be lizers at 783 and 976. Coments sack coment and 260 sacks of Ic 200 sacks. Plug down at 6:15 is approximately 100 sacks of clea	5/8 inch, J-55, 36 lbu., Range 3, 8 rd. thread clow RK3 and set at 992.55 feet. Two RCMCO Centre of with 390 sacks as follows: 130 sacks of Ideal ical regular bulk coment with 2% CaCl in the last law., 3-24-54. Sumped ping with 800%. Circulate in coment. Released pressure. Float held okey,	? :
RECEIVED	Approved APR 2 - 1954	
APR 2 1954	(Grig. Sal.) H. H. Fennica	
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Company		
Address Box Lil 7		
Poplar, Hontana	By Barald mila	~
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	JTED STATES MENT OF THE INT	SUBMIT IN TRIPLICA (Other Instructions on	TD* Form approved. Hudget Bureau No. 42-R1424. G. LEASE DESIGNATION AND SESSAL NO.
GEOLOGICAL SURVEY			BLM-A-029305-A
SUNDRY NOTI	CES AND REPORT	S ON WELLS Solution of the state of the sta	6. IF INDIAN, ALLOTTER OR TRIBE NAME
1.	1	IVED	7. UNIT AGRESSIENT HAND
WELL XX WELL OTHER	; 		East Poplar Unit
Murphy Oil Corporation 3. ADDRESS OF OPERATOR		FOR \$ 0 1913	8. FARM OR LEASE NAME East Poplar Unit 9. WELL NO.
P.O. Box 547, Poplar, Mor	itana 59255	Montana Montana	No. 32
4. LOCATION OF WELL (Report location cle See also space 17 below.) At surface	early and in accordance with	any State requirements.	East Poplar Unit 11. SEC., T., S., M., OR BLK. AND SURVEY OR ARBA
1980' from the North line and 1980' from the East line			C SW NE Section 15,
14. PERMIT NO.	15. ELEVATIONS (Show wheth	ner DF, NT, GN, etc.)	TZ 28M4+ BE LATION 18. STATE
	2078 ' G.	L	Roosevelt Montana
16. Check Ap	propriate Box To Indica	te Nature of Notice, Report,	· · · · · · · · · · · · · · · · · · ·
NOTICE OF INTENT			SEEQUENT REPORT OF:
TEST WATER SHUT-OFF	ULL OR ALTER CABING	j	REPAIRING WELL
[]	ULTIPLE COMPLETS	WATER SHUT-OFF FRACTURE TREATMENT	ALTERING CASING
SHOOT OR ACIDIES	BANDON*	BILOOTING OR ACIDIZING	ABANDON MENT*
REPAIR WELL CI	HANGE PLANS	(Other)	
(Other)		Completion or Rec	suits of multiple completion on Well unpiction Report and Log form.) ates, including estimated date of starting any
East Poplar Unit No. 32 wacid as follows: Ran Ball joint above packer and at 3 BPM at 700 PSI and back to 1100 PSI with 50 all acid in formation. ISI = 500 PSI 15 Mills Workover Potential: 3 Hz	vas acidized with ker Retrievomatic set packer. Prebuilt to 1400 PSI bbls. in formati Pressure decrease	3,000 gallons of 28% packer to 5770'. Fi ssured annulus to 500 with 34 bbls. in for on. Pressure slowly d to 1100 PSI with 20	lled hole, spotted acid PSI. Formation took acid mation. Formation broke increased to 1200 PSI with bbls. overflush in forma-
18. I hereby certify that the foregoing is SIGNED ALL THAT THE CONTROL OF STATE OF MARIE OF STATE OF	L PAUL TITEM	District-Superintende QBTGCT Likelian,	nt DATE April 17,-1973

*See Instructions on Reverse Side

Form 9-337-A (May 1988)	UNI DISTATES	SUBMIT IN TRIPLA 6.	Budget Bureau No. 42-R1424.	
DEPARTMENT OF THE IN GEOLOGICAL SURV			G. LEASE DESIGNATION AND SERIAL NO. BLM-A-029305-A	
			6. IF INDIAN, ALLOTTED OR TRIBE NAME	
SUNDKY NO	TICES AND REPORD SATION FOR PERMIT—" for	anchlorobosolisty of the foliation of the pack to or different, reservoir.	Fort Peck	
1. ,		RECEIVED	7. UNIT AGREDMENT NAME	
QIL X GAS WELL OTHER 2. NAME OF OPERATOR			East Poplar Unit	
Murphy Oil Corporation		DEC 3 1973		
8. ADDRESS OF OPERATOR			East Poplar Unit 9. WELL NO.	
P.O. Box 547, Poplar, 1		Billings, Monta a	No. 32	
4. LOCATION OF WELL (Report location See also space 17 below.)	clearly and in accordance wit	th any State requirements.	10. FIELD AND POOL, OR WILDCAT	
At surface			East Poplar Unit 11. BEC., T., B., M., OR BLE. AND	
1980' from the North 1:	ing and 1000! Ever	m who Dook 34.	SURVEY OR ARDA	
1980 Irom the North 1:	ine and 1980' from	n the East line	C SW NE Section 15,	
14. PERMIT NO.	15. ELEVATIONS (Show whe	ther DF, RT, OR, etc.)	T28N R51E	
	2078' G.L.		Roosevelt Montana	
18. Check A	ppropriate Box To Indic	ate Nature of Notice, Report, or O	ther Data	
NOTICE OF INTE			ENT REPORT OF:	
TEST WATER SHUT-OFF	PULL OR ALTER CASING	WATER SHUT-OFF	REPAIRING WELL	
FRACTURE TREAT	MULTIPLE COMPLETE	PRACTURE TERATMENT	ALTERING CABING	
SHOOT OR ACIDIZE	ABANDON*	SHOOTING OR ACIDIZING	ABANDONMENT*	
REPAIR WELL	CHANOR PLANS	(Other)		
(Other) Change Zones	<u>X</u>	(Norn: Report results Completion or Recomple	of multiple completion on Well stion Report and Log form.)	
proposed work. If well is directinent to this work.)	ionally drilled, give subsurfac	e locations and measured and true vertical	depths for all markers and zones perti-	
A t the present time the 96% W.C. which is uneco		cing at the rate of 104 BI	PD 4 BOPD 100 BWPD	
A bridge plug will be a perforated at 5480-5496 gallons of 28% acid, if	' with a thru tub	of cement over the C-Zone oing gun. The A Zone will	The A-Zone will be be acidized with 3000	
			,	
18. I hereby certify that the foregoing i	a true and correct			
SIGNED 72/8 Brown	TITLE	<u>District Superintendent</u>		
(This space for Federal or State off	lce uso)	DISTRICT ENGINEER		
APPROYMENT SCENARIONAL, IF	ANY: PAUL		DATE 12-5-23	

(muy 1903)	JED STATES MENT OF THE INTE	SUBMIT IN TRI ATES	Form approved. Budget Bureau No. 42-R142 5. LEASE DESIGNATION AND SERIAL NO.
SUNDRY NOTI	CES AND REPORTS	PONT WELLS	BLM-A-029305-A 6. IF INDIAN, ALLOTTEE OR THIBE NAM
(Do not use this form for propose Use "APPLICA"	als to drill or to deepen or plot TION FOR PERMIT—" for aud		Fort Peck 7. UNIT AGREEMENT NAME
WELL E WELL OTHER 2. NAME OF OPERATOR		JAN 21 1974	East Poplar Unit 8. FARM OR LEASE NAME
Murphy Oil Corporation 8. ADDRESS OF OPERATOR P.O. Box 547, Poplar,	Montana 59255	Billings, Montana	East Poplar Unit 9. well No. No. 32
4. LOCATION OF WELL (Report location closes also space 17 below.) At surface	early and in accordance with a	ny State requirements.*	10. FIELD AND POOL, OR WILDCAT East Poplar Unit 11. BBC., T., R., M., OR BLE. AND BURNEY OR ARBA
1980' from the North 1			C SW NE Section 15, T28N, R51E
14. PERSIT NO.	16. ELEVATIONS (Show whether 2078 G.L.		12. COUNTY OF PARISH 18. STATE ROOSevelt Montar
16. Check Appropriate OF INTENT		Nature of Notice, Report, or O	ther Data BNT BBPORT OF:
FRACTURE TREAT SHOOT OR ACIDIZE A	ULL OB ALTER CASING ULTIPLE COMPLETE BANDON* HANGE PLANS	(Norn: Report results Completion or Recomple	of multiple completion on Well tion Report and Log form.)
The A-2 and A-3 Zones was acidized as follows to 1000 PSI. Broke for sure and packer. Spot	were perforated fr s: Circ. hole wit rmation with 3400 ted acid, set pack	O' with 1 sack of cemen om 5480-5496', 4 holes h salt water, set packe PSI, 1/4 BPM injection er, and repressured cas bitor, emulsion breaker	per foot. The well r, pressured casing rate. Released presing to 1000 PSI.
	Maximum Injecti Minimum Injecti Maximum PSI Minimum PSI ISIP 10 Min. S.I.	on Rate 1-1/2 BPM on Rate 1/4 BPM 3400# 900# 600# 500#	
	4 Hr. Test 213 BF	PD 6 BOPD 207 BWPD 9	7% W.C.
81GNED SIGNED	true and correct	District Superintenden	t DATE January 18, 19
(This space to Federal of this back (ORIG. SGD:)	TITLE	DISTRICT ENGIL UTR	DATE 1-21-74
CONDITIONS OF APPROVAL, IF AN			the state of the s

DOWELL INCORPORATED

TREATMENT REPORT

TREATMENT No.

WHER HUMPHY OLL	Comp	any	19 10 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	LEASE	E.P.U.		WELL NO. 32	40 A CONTRACTOR (CONTRACTOR)
ool East Popla ogation 15 28N	FIT	Service of the servic	E MESSENIE	·····································	Roosevelt	- 1. 10 % AMERICA - 22 STARK (1.4.4)	STATE MONEY	
	alignetic (B. W. S.		100	R'S REPRESENTATIVE			A Charles
			Selvi de	WELL	- PATA			
ORMATION NACLE		6400			PERFORATING DATA	OR PAY ZO	NES	
AY-FROM 5790 RESENT TOTAL DEPTH 58	12	5800 B. FROM	5521	惠 型 示	SHOTS/FT.	多频等	FROM	ТО
Anna Carlos Carl			,,,,,		S		5790	5800
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CASING DEPTH 581		KS, CEMENT			Service Consideration of the Constitution of t			
LINER SIZE	Table Selection	wr,		- 1	PRODUCTION-			的。 一個的 一個 一個 一個 一個 一個 一個 一個 一個 一個 一個
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TUBING SIZE DE TO	70	DEPTH_S	67	-,31	INITIAL	CANAGE OF CHINASES	en Folke de la	AND THE PERSON OF THE PERSON
PACKER-TYPE	The same	DEPTH_	67	T48. 3	PRESENT	100年的日本		
PACKER FURNISHED BY	OPERATO	RD	OWELL	<u> </u>	ACIDIZING, SHOOTIN	AND LOG	SING RECORD-	
OMPLETION DATA-					a war war market R	ROE.	VEND	renamentarion de desir Albumban dessir Sand
DATE NOW	CABLE	TOOL			· · · · · · · · · · · · · · · · · · ·	产证书籍的事的		STREET, STREET
ROTARY Yes	RILLING	FLUID	fud.	- 1	and the property of the second	APR 3	0 1054	College College
SIZE OPEN HOLE	(A)	関ラアンスだ	C. 10779		· · · · · · · · · · · · · · · · · · ·			是中国的特殊的
TIME PRESSURE N, OR P.M. CASING TUBING	ARRIVAL	AT LOCATION	ON WITH	100	O GALS, OF DOWELL		TAMA - CILLINGS	
M, OR P.M. CASING TUBING	ARRIVAL	AT LOCATIO	ON WITH	100			CLOO FILL BLE	ED 23 BBL
M, OR P.M. CASING TUBING	ARRIVAL			100			CLOO FILL BLE	23 BBL
M, OR P.M. CASING TUBING	OUT OF	BBLS. O		100			CLOO FILL BLE	ED 23 BBL
N, OR P.M. CASING TUBING		BBLS, O	F ACID				CLOO FILL BLE	ED 23 BBL
N, OR P.M. CASING TUBING	OUT OF	BBLS. O	F ACID	PER	GALS OF DOWELL	Jol	FILU PLU	ко 23 выс вн 23 выс
N, ORP,N, CARING TUBING	OUT OF	BBLS. O	F ACID	PER	Start circul	Jol 2	Nud w/o11	во 23 вв. вн 23 вв.
N, ORP, N, CASING TUBING	OUT OF	BBLS. O	F ACID	PER	Start circul Hole loaded Stand by for	Jel 2	Nud w/o11	во 23 вв. вн 23 вв.
N, ORP, N, CASING TUBING B130 C130 C145	OUT OF TANKS	BBLS. O	F ACID	PER	Start circul Hole loaded Stand by for	Jel 2	Mud w/o11	во 23 вв. вн 23 вв.
N, OR P.N. CARING TUBING 5130 1010	OUT OF	BBLS. O	F ACID	PER	Start circul Hole loaded Stand by for	Jel 2	Mud w/o11	во 23 выс вн 23 выс
#, OR P.M. CARING TUBING 5130AN 10130 10145 1125 500 1146 2000 1500 1149 1600 1600	OUT OF TANKS	BBLS. O	F ACID	PER	Start circul Hole loaded Stand by for Start Acid Acid spotte Broke to 150	Jel 2	Mud w/o11	во 23 вв. вн 23 вв.
#130 0130 0145 1125 500 1146 2000 1500	OUT OF TANKS	BBLS. O IN FORMATION	F ACID PER READING	PER MINUTE	Start circul Hole loaded Stand by for Start Acid Acid spotte Broke to 150	Jel 2	Mud w/o11	во 23 вв. вн 23 вв.
#130 #130	OUT OF TANKS	BBLS. O IN FORMATION	F ACID PER READING	PER MINUTE	Start circul Hole loaded Stand by for Start Acid Acid spotte Broke to 150	Jel 2	Mud w/o11	во 23 вв. вн 23 вв.
\$130 0130 0130 0145 \$125 500 \$144 700 0 \$146 2000 1500 \$149 1600 1600 \$156 1800 1800	OUT OF TANKS	BBLS. O IN FORMATION	F ACID PER READING	PER MINUTE	Start circul Hole loaded Stand by for Start Acid Acid spotte Broke to 150	Jel 2	Mud w/o11	во 23 вв. вн 23 вв.
#130 #130	OUT OF TANKS	BBLS. O IN FORMATION	F ACID PER READING	PER MINUTE	Start circul Hole loaded Stand by for Start Acid Acid spotte Broke to 150	Jel 2	Mud w/o11	во 23 вв. вн 23 вв.
#130 #130 #130 #130 #130 #135 #125 #125 #140 #140 #140 #140 #140 #140 #150 #140 #150 #150 #150 #160	OUT OF TANKS	BBLS. O IN FORMATION	F ACID PER READING	PER MINUTE	Start circul Hole loaded Stand by for Start Acid Acid spotte Broke to 150	Jel 2	Mud w/o11	ED 23 BBL
#130 #130 #130 #130 #130 #135 #125 #125 #140 #140 #140 #140 #140 #140 #150 #140 #150 #150 #150 #160	out of Tanks	BBLS. O IN FORMATION	F ACID PER READING	PER MINUTE	Start circul Hole loaded Stand by for Start Acid Acid spotte Broke to 150	Jel 2	Mud w/o11	sн_2 3 _вац
130 TUBING 5130 TUBING 5130 TUBING 5130 TUBING 5125 500 5146 2000 1500 5146 2000 1500 5156 1800 1800	OUT OF TANKS	BBLS. O IN FORMATION 12 24	F ACID PER READING	PER MINUTE	Start circul Hole loaded Stand by for Start Acid Acid spotte Broke to 150	Jel 2	Mud w/o11	ED 23 BBL

BERYICE, ENGINEER

MM 4 CO 183- NO-LITTLE'S 40830 100M 8-88



OIL WELL CEMENTING COMPANY

CEMENTING SERVICE TICKET

DATE	3-2	4-5	4_		PL	ACE	Pop	lar	, Mo	ont.						ORD	ER I	NO			
Well No_	3	2	Farm_	EP	U		_County_	Roo	osev	velt				Stato	Мо	nt.	s	oc	T		R
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TYPE C		B (Y)				SING		OLE DA	ATA	TUB	NG	OR DRI	LL PIPE	CEMENT	ING F	ACKER		MAKE	FLOAT	EQUIPM	IENT
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SQUEEZE				SIZE	ł	9 5/8	TOTAL	LO:	1.5	TYPE	:	Ì		TYPE			FLO	AT SHOE	Н	OWCO	
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PLUG BA	СК			DEPT	ы I		-	` <u></u>		. ***	Gmi			WEIGHT			2	HOWC) Ce	nt.	
GROUTIN				TYPE	}	992 © J-55	CABLE TOOL			TOT. DEP	AL IH			DEPTH SET		. [
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COPY No. 53718 G

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CEMENTING SERVICE TICKET

DATE 4-	L7-5	4	Р	LACE	Ро	plai	۱ رو	Mont	•				ORD	ER N	٧٥				
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											ER, OPERA								
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WAS OPERATION	ON OF	THE NT SATI	SFACTOR	(?			WAS PERFO	THE WO	ORK OF	THE CE	MENTING	CREW INER?_							
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antiary CIOKII	.,	MILEIEU/		-															
		-		<u> </u>		<u>, </u>		 	<u></u>					J.	W. C				



DUNCAN, OKLAHOMA CEMENTING SERVICE TICKET

				CI	EMENT	ING	SERVI	E T	ICKET					
DATE 4-16-5	4	PLA	CEP	opla:	r, Moi	ıt.			-	OR	DER NO			
Well No	Farm		(County_					State		Soc	T		R
2	Muroh	v C	orpora						Owner of	7				
Mailing			uidin						Contracto	or				
Addross	Murph	у Бі	<u>,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,</u>	8					Stato					
State	Elvor	ado	Ark.		Truck _Called O	ut 10	30 PM	On Loc	ation 8:31	<u>O AM</u> i	Job 11:3	10 AM	Job C pletec	^{cm} 7:30 pm
OWNER, OPER FOLLOWING I	ATOR OR F	is ve	ENT STATE	S THE V	VELL IS II	и сои	DITION I	OR T	HE SERVIC	E JOB TO	BE PERFOI	RMED AN	D SU	BMITS THE
TYPE OF JOB (/) ONE	CAS	HING	но	LE DATA	TUB	NG OR DR	LL PIP	E CEMENTII	NG PACKER	J	VC 51043		D1 (P1)
SURFACE	NE	w		BORE SIZE		SIZE			SIZE		FLOAT CO	KE FLOAT	EQUI	PMENT
INTERMEDIATE	usi	:D		3126	<u>/</u>	_			-		GUIDE SHO		$\overline{}$	<u></u>
PRODUCTION	sız	e -		TOTAL		TYPE	:		TYPE		FLOAT SHO	DE /		
SQUEEZE PUMPING	X	IGHT -	$\overline{}$					_	1			OTHER EC	UIPMI	ENT
PLUG BACK		тн	//	ROTARY		WEI	GHT /		WEIGHT			<u> </u>		
GROUTING				CABLE		TOT.	<u> </u>		DEPTH					
OTHER (Write In)	74	£		1001		JUE B			SET		1			
·	11	1	UG BACK	DATA	IN SIZE						NT DATA			
PURPOSE	DEPTH FROM	10	APPROX.	CASII		HOLE	BULK7_ SACKS		TYPE	:D7	MIXED BRAND		_	OTHER ADMIX
WATER PUMI	ING OU	ф FI	LOW LI	NES				1		1				
GAS														
6/3	<u> </u>	 												
Abandon ,		<u> </u>												
				OTH	R DATA	ON	SERVIC	E OF	PERATION	 £		 		
	PLUGS	AND H	IEADS		<u></u>	1		RESSU			NT LEFT IN	CASING		rr
BOTTOM PLUG		TYPE				CIRC	ULATING_	()	BY	REQUEST?			
TOP PLUG		TYPE				MINI	мим	150		NEC	ESSITY?			
TYPE HEAD.			·			MAX	мим	450	00	MEA	SURED WITH	LINE?		
	RVICE AND RI		HARGES		1 1	RUCK	TITLE	·	N	IAME	1	LOCATION	ı	STATE
DEPTH OF PRICE REF.	JOB	X		<u></u> ғт.	-	3717	CEMENT		Va.Luwr:			Tio	an	N.D.
D / d	CHARGE		<u>s</u> 2	30 [0	50 –	7 1 1	DRIVER		Chomps	on		110	ga	14.1.
	CHARGE		\$				DRIVER	EK						
	TRUCK		\$		-		CEMENT	ER						
	BY TRUCK	•	•				DRIVER		 .					
MILEAC) C	<u> </u>	`				CEMENT	ER						
			<u> </u>		_		DRIVER							
			\$				CEMENT	ER .	<u>-</u>					
	TOTAL C	HARGE	<u>s 2</u>	<u>ا 0ر</u>	00		DRIVER				<u> </u>			
The above whose signa	job was don Iture appear.	e and o	equipment and who	used un certifies	der the ex the abov	cclusive e data j	control, urnished	by hi	m is correct	t. ·		, operator	or hi	is agent
				_					W. U					
The follows	ing informat	ion is	urgently re	equested	in order	that w	may be					our stan	dard	of serv-
	e highest po	int.												
WAS THE CEMENTING					sug							·		
												Cutnu		
										OWN	ER, OPERATO	OR OR HIS	AGE	NT

HOW CO 102 10 A 1 TEL E # 41100 100M 12-03



CEMENTING SERVICE TICKET

																	
DATE 4-1	0-54	PI	ACE	Popla	r, N	lon	t					ORI	DER NO				
Well No. 32	Form	E.P.	U	County	Roos	sev	elt							15	.T	29 R	<u>5</u> 1
2			poration							Owner	or						·
Mailing	Murph			· · ·						_Contrac City &	10r						
ECity &	ElDor				Truck		1		On	Stato	6	AM J	ob		M J	ob Com	. Al
21916					Truck Called			PM	Local	ion		884 B	egan	P	М р	leted	PN
OWNER, O	PERATOR C G DATA:	OR HIS A	GENT STATI	ES THE V	VELL IS	IN (CONDIT	ION F	OR TH	IE SERVI	CE J	OB TO	BE PEF	RFORMED	AND	SUBM	ITS THE
TYPE OF JOS	(√) ONE	٥	ASING '	но	LE DATA		TUBING	OR DRI	LL PIPE	CEMENT	IING I	ACKER	<u> </u>				
SURFACE		NEW		BORE			SIZE			SIZE			Ì !	MAKE FI	OAT E	QUIPMI	ENT
INTERMEDIATE		USED		SIZE			-						1	E SHOE			-
PRODUCTION SQUEEZE		SIZE		TOTAL			TYPE			TYPE				r shoe			
PUMPING		WEIGHT			<u> </u>		-	_						OTHE	R EQU	IPMENT	
PLUG BACK		DEPTH		ROTARY			WEIGH			WEIGHT							
GROUTING OTHER D		TYPE		CABLE			TOTAL			DEPTH SET							
(Write in) DT	y run	J	!		L		1			I	<u>l</u>	CEME	NT DATA				
PURPOSE	SQUE		PLUG BACK O APPROX.	1	IN SIZ	_		BULK?		SACI	KED?			XED WT. I	ER GA	\L	
l 		·		CASII		но	<u>re</u>	SACKS		TYPE		,	BRAN	1D	% GE	L OTH	ER ADMIX
WATER	CALLED	OUT	ON BLO	V OUT	<u> </u>		 -		-			ļ <u>.</u>			-	-	
eve HV	D WELL	UNDE	R CONT	KOL B	Y J F	ΙE									+	 	
Abandon	TINE W	E GOI	THERE				-					 			 	 	
				OTH	D DA	TA	ON S	EDVICE	- ODI	ERATIO	NI.	······································					
	PLL	JGS AND	HEADS	01111		1	014 3		ESSUR			CEMEN	AT LEFT	IN CASI	NG		F
BOTTOM PLUG_							CIRCUL					-		7			
TOP PLUG							MINIMU					1	ESSITY 7_				
TYPE HEAD					•	_	MAXIM	JM				MEA	SURED	WITH LIN	E?		
	SERVICE AN	ID RENTAL	. CHARGES			TRU	ICK	TITLE			NAM	:	L	LOCA	TION		STATE
DEPTH PRICE REF.	OF JO8			FT.	ſ	37	ገን 🛏	CEMENT		valiiw		int			Tio	ក្ន	N.D.
BAS	E CHARGE		\$			<u> </u>		DRIVER		<u>larre</u>	<u>TT</u>					6 u	
	O'N. CHARG	E	\$					DRIVER					\dashv				1
	RA TRUCK ND BY TRUC		<u> </u>				-	CEMENT	R								
	eage 10		75 \$	75	00 -			DRIVER									<u> </u>
			<u> </u>					CEMENTE DRIVER	· K								
			<u> </u>		-			CEMENTE	R								
	TOTA	AL CHARG	*	75	00		1	DRIVER					_				!
The abo	ve job was	done and	d equipment	used un	der the	oxcl	usivo co	ontrol, e	lirectio	on and si	ирети	ision of	the or	uner, oper	ator c	r his a	gent
whose si	gnature ap	paars bal	ow and who	carlifias	the ab	ove i	ilala jur	nishad	by hun	is corra	ct.						
				_						1. G.			AGENT				
The foll	owing info	mation i	s urgently r	equested	in ord	or th	at we s								stando	ard of s	ieru-
ice up to	the highes	t point.												•			
WAS OPERATION CEMENTING EQU			7		^ė	ERFO	RMED IN	A SAT	ISFACTO	DRY MAN	INER7.					 	
WAS THE CEMEN SATISFACTORILY	COMPLETED	,			5	UGGE	STIONS.										
				-		000.	21101132										
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PAIRTED IR NU. 8: A.H.

STATION COPY.

DOWELL INCORPORATED

TREATMENT REPORT

TREATMENT No.

DISTRICT Denver	11 00)		STATION				, 19 54
OWNER Hurphy Co		Lon		LEASE_	E.P.U.	WELL NO.	· · · · · · · · · · · · · · · · · · ·
LOCATION TO THE POPE			,	OWNER'	ROOS CV 61	T	Mon tana
LOCATION Bed 15-8	いいーンエビ					Curnus	· · · · · · · · · · · · · · · · · · ·
				WELL	DATA	34,73	
FORMATION Che	rles		,		PERFORATING DATA	OR PAY ZONES	
PAY-FROM 5740	то	5 500 9	P		SHOTS/FT,	FROM	то
PRESENT TOTAL DEPTH	12 P.	B. FROM	5821			- 5740	- 5800
PIPE DATA		Ve -			1	-	
CASING SIZE	1	NT	54"		NAME OF THE PERSON NAME OF THE P	* * * * * * *	The state of the state of
CASING DEPTH.	5K		NT 300	_			The state of the s
LINER SIZE NON	7 7 7	WT			PRODUCTION-		
LINER DEPTH-FROM	RINE P. A. S.	то	h			OIL W	ATER G. O. R.
LINER DESCRIPTION	()	The same of the sa	1	TIME	INITIAL		The state of the s
TUBING BIZE 28 EU	D	EPTH_5	768	- 1	PRESENT		
PACKER-TYPE	D	ЕРТН		_	ACIDIZING, SHOOTING	S AND LOGGING REC	ORD-
PACKER FURNISHED BY	OPERATOR	<u> </u>	DOWELL	-	j b	BEOL	IVED
COMPLETION DATA-							IVIII
DATE	CABLE T	001				F	
ROTARY	DRILLING F	LUID		_		MAY 1	4 1954
SIZE OPEN HOLE	w 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1					011 1112 010 011	111 年 日 日 日 日 日 日 日 日 日 日 日 日 日 日 日 日 日
						THE FREE BAS CHARGES	VITION DOMINALOND
TIME PRESSURE A.M. OR P.M. CASING TUBING		ľ	DETAILED	RECORD REMARK	OF TREATMENT	CF THE STATE OF M	VATION COMMISSION CATANA - CILLINGS
	ARRIVAL A	T LOCA	TION WITH			CF THE STATE OF M	OKTANA - CILLINGS
	Start	T LOCA	тіон wітн	500 3000	gal. Dowell	Jel X830	OKTANA - CILLINGS
	arrival a	T LOCA	тіон wітн	3000 3000	gal. Dowell GALS. OF DOWELL	Jel X830	OKTANA - CILLINGS FILL 21 BBLS BLEED 23 BBLS
	Start Start Start	T LOCA	тіон wітн	500 3000 gging	gal. Dowell GALS. OF DOWELL material	Jel X830	OKTANA - CILLINGS
	Start Start Pluggi	T LOCA	тіон wітн	3000 3000 gging d to s	gal. Dowell GALS. OF DOWELL material	Jel X830	OKTANA - CILLINGS FILL 21 BBLS BLEED 23 BBLS
	Start Start Start Pluggi	T LOCA	bl oll	500 3000 gging	gal. Dowell GALS. OF DOWELL material	Jel X830	OKTANA - CILLINGS FILL 21 BBLS BLEED 23 BBLS
	Start Start Start Plugg	24 b	bl oll	500 3000 3000 gging 1 to s	gal. Dowell GALS. OF DOWELL material	Jel X830	OKTANA - CILLINGS FILL 24 BBL BLEED 23 BBL FLUSH 23 BBL
A.M. OR P.N. CASING TUBING 11:55 12:15 12:15 12:16 12:16 12:18 16:05 11:00	Start Start Start Pluggi	AT LOCA 24 b 12 b 11 b	bl oll	500 3000 gging 1 to 6	gal. Dowell GALS. OF DOWELL material	Jel X830 Jel X100	OKTANA - CILLINGS FILL 24 BBL BLEED 23 BBL FLUSH 23 BBL
A.M. OR P.N. CASING TUBING 11:55 12:15 500 200 12:16 1605 1100	Start Start Start Plugg!	24 b 12 b 11 b 18 in FORMATION	bl oll	500 3000 3000 gging 1 to s	gal. Dowell GALS. OF DOWELL material pot flug ted Start pluggi	Jel X830 Jel X100	OKTANA - CILLINGS FILL 24 BBLS BLEED 23 BBLS FLUSH 23 BBLS
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A.M. OR P.N. CASING TUBING 11:55 12:15 12:15 12:16 12:16 12:18 16:05 11:00	Start Start Start Plugg!	24 b 12 b 11 b 18 in FORMATION	bl oll	500 3000 3000 gging 1 to s	gal. Dowell gals of Dowell material pot flug ted Start plug Shut down, bl Resume pump	Jel X830 Jel X100 Ing in forma	OKTANA - CILLINGS FILL 21 BBL BLEED 23 BBLS FLUSH 23 BBLS
A.M. OR P.N. CASING TUBING 11:55 12:15 500 200 12:16 1605 1100	Start Start Start Plugg!	24 b 12 b 11 b 18 in FORMATION	bl oll	500 3000 3000 gging 1 to s	gal. Dowell gals of Dowell material pot plug ted Start plug Start plug Thut down, bl Resume pump: From 12:06	Jel X830 Jel X100 Ing in forma Leading off	OKTANA - CILLINGS FILL 21 BBL BLEED 23 BBL FLUSH 23 BBL
A.M. OR P.N. CASING TUBING 11:55 12:15 500 200 12:16 1605 1100	Start Start Start Plugg!	24 b 12 b 11 b 18 p 10 por Marion	bl oll	500 3000 3000 gging 1 to s	gal. Dowell gals. of dowell material pot plug ted Start plug Thut down, bl Resume pump; From 12:06 1	Jel X830 Jel X100 Ing in forma Leeding off Ing to 2:01 we was a 3700, lett	OKTANA - CILLINGS FILL 21 BBL BLEED 23 BBLS FLUSH 23 BBLS
A.M. OR P.N. CASING TUBING 11:55 12:05 12:15 500 200 12:15 12:05 12:21 12:00 12:21 12:00 12:25 12:00 12:25 12:00 12:25 12:00 12:25 12:00 12:25 12:00	Start Start Start Pluggi OUT OF TANKS 23 27 27	24 b 12 b 11 b 11 b 10 10.5	bl oll	Selng d to s l spot	gal. Dowell gals of dowell material pot flug ted Start plugg Shut down, bl Resume pump From 12:06 pressuring bleed down	Jel X830 Jel X100 Ing in forma leading off ing to 2:01 we was 3700, leading then represent	OKTANA - CILLINGS FILL 21 BBL BLEED 23 BBLS FLUSH 23 BBLS
A.M. OR P.N. CASING TUBING 11.55 12.07 12.15 500 200 12.15 1605 1100 12.23 2600 2100 12.25 2600 2100	Start Start Start Pluggi OUT OF TANKS 23 27 27	24 b 12 b 11 b 11 b 10 10.5	bl oll	500 3000 3000 gging 1 to s	gal. Dowell gals of Dowell material pot flug ted Start plug Start plug From 12:06 pressuring bleed down 2 bbl acid	Jel X830 Jel X100 Ing in forma leeding off ing to 2:01 we was a 3700, lett then repress	OKTANA - CILLINGS FILL 21 BBL BLEED 23 BBLS FLUSH 23 BBLS
A.M. OR P.N. CASING TUBING 11:55 12:05 12:15 500 200 12:25 2600 2100 12:25 2600 2100	Start Start Start Pluggi OUT OF TANKS 23 27 27 23 33.5	24 b 12 b 11 b 11 b 10.5	bl oil bl plu bl Aci bl READING	REMARI 500 3000 Sging 1 to s 1 spoi	Start pluggi Shut down, bl Resume pump; From 12:06 i pressurang i bleed down i 2 bbl acid i Pressure bro	Jel X830 Jel X100 Ing in forma leeding off ing to 3700, lett then representation the to 14004	OKTANA - CILLINGS FILL 21 BBL BLEED 23 BBLS FLUSH 23 BBLS
A.M. OR P.N. CASING TUBING 11.55 12.07 12.15 500 200 12.15 1605 1100 12.23 2600 2100 12.25 2600 2100	Start Start Start Pluggi OUT OF TANKS 27 27 27 27 27 27 27 27 27 27 27 27 27	24 b 12 b 11 b 11 b 10 10.5	bl oll	REMARI 500 3000 Sging 1 to s 1 spoi	gal. Dowell gals of Dowell material pot flug ted Start plug Start plug From 12:06 pressuring bleed down 2 bbl acid	Jel X830 Jel X100 Ing in forma leeding off ing to 3700, lett then representation the to 14004	OKTANA - CILLINGS FILL 21 BBL BLEED 23 BBLS FLUSH 23 BBLS
A.M. OR P.N. CASING TUBING 11:30 11:55 12:05 12:15 12	Start Start Start Pluggi OUT OF TANKS 27 27 27 27 27 27 27 27 27 27 27 27 27	24 b 12 b 11 b 11 b 10 b 10.5	DI OII DI PIU DI AOI DI PER N READINO	REMARI 500 3000 Sging 1 to s 1 spoi	Start pluggi Shut down, bl Resume pump; From 12:06 i pressurang i bleed down i 2 bbl acid i Pressure bro	Jel X830 Jel X100 Ing in forma leeding off ing to 3700, lett then representation the to 14004	OKTANA - CILLINGS FILL 21 BBL BLEED 23 BBLS FLUSH 23 BBLS
A.M. OR P.N. CASING TUBING 11:55 12:05 12:15 12	Start Start Start Plugg	24 b 12 b 11 b 10 5	DI OII DI PU DI AOI DI PER N READING	REMARI 500 3000 Bging 1 spot MINUTE 2.0 1.2 Neg.	Start pluggi Shut down, bl Resume pumpi From 12:06 pressuring to bleed down to 2 bbl acid i Pressure pumpi All Acid pum	Jel X830 Jel X100 Ing in forma Leeding off Ing to 2:01 we want to 3700, lett Then represent the formation of the to 14004 The rate	OKTANA - CILLINGS FILL 21 BBL BLEED 23 BBLS FLUSH 23 BBLS
A.M. OR P.N. CASING TUBING 11.55 12.05 12.15 500 200 12.15 12.00 21.00	Start Start Start Pluggi OUT OF 148 27 27 27 27 27 27 27 27 27 27 27 27 27	24 b 12 b 11 b 11 b 10 b 10.5	TION WITH DI OII DI PIU DI ACI BERGINO A READINO A STATEMAN A STAT	3000 3000 gging 1 spoi	Start pluggi Shut down, bl Resume pumpi From 12:06 t pressurang to bleed down to 2 bbl acid i Pressure pumpi All Acid pum Start 23 bbl	Jel X830 Jel X100 Ing in forma Leeding off ing 2:01 we want to 3700, lette then represent the to 1400# ing rate inped Loll flush	ONTANA - CILLINGS FILL 24 BBL BLEED 23 BBLS FLUSH 23 BBLS
11:30 11:55 12:15 500 200 12:15 500 200 12:18 1605 1100 12:23 2600 2100 12:24 200 2700 12:25 2600 2100 12:25 2600 1000 2:02 1500 1000 2:10 1500 1400 2:10 1500 1600 2:20 1800 1800 2:20 1800 1800	Start Start Start Pluggi OUT OF 148 27 27 27 27 27 27 27 27 27 27 27 27 27	24 b 12 b 11 b 11 b 10 b 10.5	DI OII DI PLU DI AOI DI AOI DI READINO DI AOI DI DI AOI DI DI AOI DI DI AOI DI	3000 3000 gging 1 spoi	Start pluggi Shut down, bl Resume pumpi From 12:06 to pressurang to bleed down to 2 bbl acid i Pressure bro Increase pum	Jel X830 Jel X100 Ing in forma Leeding off ing to 3700, lett then repress In formation the to 14004 to rate Inged Loil flush Eplaced - shu	ONTANA - CILLINGS FILL 24 BBL BLEED 23 BBL FLUSH 23 BBL
A.M. OR P.N. CASING TUBING 11.55 12.05 12.15 500 200 12.15 12.00 21.00	Start Start Start Start Pluggi OUT OF TANKS 27 27 27 27 27 27 28 39 48 69 69 69	24 b 12 b 11 b 11 b 10 b 10.5	TION WITH DI OII DI PIU DI ACI BERGINO A READINO A STATEMAN A STAT	3000 3000 gging 1 spoi	Start pluggi Shut down, bl Resume pumpi From 12:06 t pressurang to bleed down to 2 bbl acid i Pressure pumpi All Acid pum Start 23 bbl	Jel X830 Jel X100 Ing in forma Leeding off ing to 3700, lett then repress In formation the to 14004 to rate Inged Loil flush Eplaced - shu	ONTANA - CILLINGS FILL 24 BBL BLEED 23 BBLS FLUSH 23 BBLS

E. H. Nielsen

STATION OR DISTRICT MANAGER

ASSA - LITTLE'S 27030 80M 0-02

HALLIBURTON OIL WELL CEMENTING CO.

FORMATION TESTING AND TOOL SERVICE TICKET

Jan. 4-8-	-5 <i>1</i> .	•	. p	opl	ar, Montana			3763	OTHER	1
Well No. 32		Place_ EP		·.	County Roos	Order No evelts		II NO	OTHER DESCRIPTION_	
CH			y Cor	D .	Carry a professor			OWNER	Murphy Co	rp.
A			y Bld		A 4		CONTRA		enrod Drlg	
T CITY &			ado,	•	Trus	ck 9	AM On]	AM Job		• ,
Depth of	7 ² 14 1 m	£ 622.1	548 ^{cond}	==	ti tali	Size 411 I		PM Began	Size	otedPh
Kind St	raddl	e Tes			4145	•	08 PRD 147	76 Temperature	_Casing	
Size of 6 1	L/811-	Length of	10'be	twe	en good	Ant. of Ti		Omi Myauk	GAS : OIL	Day
TIME MIXING	NO. B		ANC:	KER	n	IND OF TOOL	<u></u>	DEPTH SET	PRESS	URE
AND PUMPING	,		~ 1 **	·	, r /ou u			51031	BREAKING FORM -	SQUEEZING
	*		5 g 11		5 7/8" Hydr			54931	Top	
	- 13			<u>.</u>	No jars run		····	55031	bottom	<u>'</u>
3 41		; ; ; ; ; ; ; ; ; ; ; ; ; ; ; ; ; ; ;	· · · · · · · · · · · · · · · · · · ·		J-50 closed	in Press	valve us	sed.		· ·
		PRICE	L	Taa	Kind all has con-					<u> </u>
Price Job	R R	305 s	<u>5 254</u> _ 75	00			in Madis			vered
Packer Charge	R	335	15	00		·	3 hrs 20) IIITII•	30' clean	011
Other Charge (Ex	plain)		5	·}	5165' sa.	it water				
TOTAL		<u> </u>	<u> 344</u>	00	1					
	_		ools Were U	ecd Une	er The Exclusive Control, Di	•				Below.
	M. (int, Mont			Jurnutt	
The Following I	nformation i	Urgently	Requested In	Order	That We may Be Fully Advi	sed And To Enable	Us To Keep Our Stand	lard of Service Up To 1	The Highest Point.	•
Was Operatio	n Of The	Equipme	ent Satisfa	ctory?.		Was The	Job Satisfactorily	Completed?		
Suggestions:_										
		· 								
<u> </u>										 ,
	•	•	•					J. W. 12.	ırnutt	
\Box	6 (P	γ		No 57030	A T			ATOR OR HIS AGENT	

Form 2 Rev. 8-92	Montana	Submit In Qu Board of Oi Billings or			nsevation	ARM 36.22.307, 1003, 1004, 1011, 1013, 1103, 1222, 1301, 1306, and 1309
	Sun	dry Notices a	n	\$C^\\ "	~\ \ \ \ Z	
Operator M	urphy Explorat	ion & Product	: i.	ou दुर्शक के श्री मा है।	Case Name: East Poplar (Init No 37
Address P	P.O. Box 547				Lease Type (Private/State/	
City F	Poplar State	M'T Zip Code		59255	Federal Well Number:	
Telephone Numb	er (406)768-3612	Telefax Number (4 C) 6 ₎	768-5497	32 -	
1 contain of well (114 144 applies and frages			· · · · · · · · · · · · · · · · · · ·	Unit Agreement Name:	
	$1/4 \cdot 1/4$ section and featage r	•	,	from the	East Poplar (Field Name or Wildcat:	Jnit
East lin		SWNE'		110111 6110		
If directionally or	horizontally drilled, show bo	- '	ole	locations)	East Poplar (Section, Township, and Ra	
API Number:		Well Type (oil, gas,			Sec. 15, - R281	_
25 1 0 8 5	0 5 0 2 4	Well Type (ou, gas,	111)	section, outer).	County:	
Size Court	Well	Oil			Roosevelt	
Indicate below wi	th an X the nature of this not	lice, report, or other data	ı:			
Notice of Intentio Supplemental We Other (specify) Describe planned Indicate the intentio	or completed work in detail	Describe Proposed or il. Attach maps, well-bd operations or the comp	ore	Subsequent Report of Subsequen	Pulled or Altered Casing Drilling Waste Disposal Production Waste Disposal Change in Well Status Gas Analysis (ARM 36.22.1	222) 🖂
10-05-94 10-06-94 10-23-94	inhibited 10 tubing. Pul 4 Rig up Penko Rig down.	l tubing and	wn l ru	casing, 20 ay down. n in to 5400) barrels corro barrels down t)' and set 5½" minutes.	he
	BOARD USE ONLY] [reby certifies that the info	rmation contained
ApprovedNO	V 1 4 1994			on this application i	1	
·			1 1	11 02 04	<i>U</i> (~)	w - //

(BACKS' BLANK)

Raymond Reede, District Manager
Print Name & Title

Accepted for record purposes only

Title

None

(SUBMIT IN QUADRUPLICATE)

TO.

OF THE STATE OF MONTANA OF THE STATE OF SHELBY OIL AND GAS CONSERVATION COMMISSION

NOTICE THIS FORM BECOMES A PERMIT WHEN STAMPED APPROVED BY AN AGENT OF THE COMMISSION.

SUNDRY NOTICES AND REPORT OF

Notice of Intention to Drill	Subsequent Report of Water Shut-off	
Notice of Intention to Change Plans	Subsequent Report of Shooting, Acidizing, Cementing	X
Notice of Intention to Test Water Shut-off	Subsequent Report of Altering Casing	
Notice of Intention to Redrill or Repair Well	Subsequent Report of Redrilling or Repair	
Notice of Intention to Shoot, Acidize, or Cement	Subsequent Report of Abandonment	
Notice of Intention to Pull or Alter Casing	Supplementary Well History	
Notice of Intention to Abandon Well	Report of Fracturing	
•	Zone Change	Х

	(Indicate Above by Check Mai	k Nature of Re	port, Notice, or Othe	r Data)	
		-		January	18 , 19 74
Following is a XXXIXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX	exiling xinx dix xxxx k ∤ on la ork done	nd NWXHX	described as fo	llows:	
			LEASE	East Popl	ar Unit No. 32
MONTANA		Roosevelt	*************************	East Pop	lar Unit
(State)		(County)			(Field)
Well No. 32	C SW NE Secti	on 15	T28N	R51E	MPM
				(Range)	(Meridian)
The well is located1989	0	and 1980	ft. from	XX line of Se	ec. 15
LOCATE ACCURATÉLY ON					
The elevation of the derrick		_			
2.00 0.00 0.000 0.000	'	***************************************	***************************************	•	
READ CAREFULLY	DETAILS	OF PLAN OF	WORK		READ CAREFULLY
(State names of and expected cementing points, and all other in	l depths to objective sands: sh portant proposed work, particu	ow size, weights larly all details	s, and lengths of pr results Shooting, Acid	oposed casings; lizing, Fracturin	indicate mudding jobs. ig.)
	DETA	AILS OF WOI	к		
A 5-1/2" C.I. bridge p	olue was set at 5770		ack of cement	on top of	plug. The
A-2 and A-3 Zones were					
as follows: Circ. hol	le with salt water,	set packer	, pressure cas	sing to 10	00 PSI. Broke
formation with 3400 PS					
acid, set packer, and				00 gallons	of 28% HCL with
inhibitor, emulsion by	reaker and sequestin	g agent ad	ded.		•
Maximum Injection	on Rate 1-1/2	RРM	Maxim	um PSI	3400#
Minimum Injection				um PSI	900#
ISIP	600#			n. S.I.	500#
					
Workover Poțential: 2	24 Hr. Test 213 BFP	D 6 BODD			
Approved subject to condition	ons on reverse of form	Com	pany MURPHY	OIL CORPO	RATION
Date fan 23, 19	924	Ву	77/\$	Brown	
By District Office A	Sweet 1.5	Title	District S	uperintend	ent
/ District Office A	gent Title	Add	ress P.O. Box	к 547, Рор	lar, Montana 59255
					

COMMISSION USE ONLY API WELL NUMBER COUNTY

NOTE:--Reports on this form to be submitted to the District Agent for Approval in Quadruplicate

WHEN USED AS PERMIT TO DRILL, THIS EXPIRES 90 DAYS FROM DATE OF APPROVAL.

(SUBMIT IN QUADRUPLICATE

NOTICE THIS FORM BECOMES A PENTIT WHEN STAMPED ATPROVED BY AN AGENT OF THE COMMISSION.

OIL AND GAS CONSERVATION COMMASSION TO

OF THE STATE OF MONT & GAS BONS. COMM. **BILLINGS OR SHELBY**

STATE OF MUNT BILLINGS

SUNDRY NOTICES AND REPORT OF

			.s Ca
Notice of Intention to Drill		Subsequent Report of Water Shut-off	ENA CO
Notice of Intention to Change Plans		Subsequent Report of Shooting, Acidizing, Cementing	
Notice of Intention to Test Water Shut-off		Subsequent Report of Altering Casing	13, 15
Notice of Intention to Redrill or Repair Well		Subsequent Report of Redrilling or Repair	
Notice of Intention to Shoot, Acidize, or Cement	X	Subsequent Report of Abandonment	
Notice of Intention to Pull or Alter Casing	<u>. </u>	Supplementary Well History	
Notice of Intention to Abandon Well		Report of Fracturing	
Zone Change	X		

(Indicate Above by Check Mark Nature of	f Report, Notice, or	Other Data)	
		•	November	c 29 , ₁₉ 73
Following is a \notice of inte	ention to do work on land XXXX	described a	s follows:	
(, , , , , , , , , , , , , , , , , , , ,		East Poplar U	nit No. 32
MONTANA	Rooseve	lt		
(State)	(Cour	• •		(Field)
Well No. 32	C SW NE Section 15	T28N	R51E	MPM
The well is located 198	0ft. from $\left\{ \begin{array}{l} N \\ XXX \end{array} \right\}$ line and	980 ft. from	E Sine of Sec	15
	PLAT ON BACK OF THIS FORM T			
				E.ISE BOOMBING
The elevation of the derrick f	loor above the sea level is	20/8 G,L,		
READ CAREFULLY	DETAILS OF PLAN	OF WORK	R	EAD CAREFULLY
(State names of and expected cementing points, and all other im	depths to objective sands; show size, we portant proposed work, particularly all det	eights, and lengths tails results Shooting.	of proposed casings; ir Acidizing, Fracturing.)	ndicate mudding jobs,
	DETAILS OF V RESULT			
At the present time t 96% W.C. which is une	his well is producing at the conomical.	ne rate of 104	BFPD 4 BOPD	100 BWPD
A bridge plug will be perforated at 5480-54 gallons of 28% acid,	set with one sack of cemer 96' with a thru tubing gun. if needed.	nt over the C . The A-Zone	-Zone. The A-Zo will be acidize	one will be ed with 3000

COMMISSION USE ONLY API WELL NUMBER STATE COUNTY WELL

By.

Approved subject to conditions on reverse of form

Title

District Office Agent

MURPHY OIL CORPORATION Title District Superintendent

Address P.O. Box 547, Poplar, Montana

2

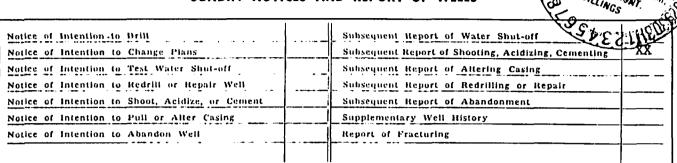
NOTE:-Reports on this form to be submitted to the District Agent for Approval in Quadruplicate

(SUBMIT IN QUADRUPLICATE)

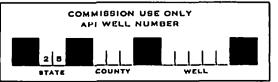
то

OIL AND GAS CONSERVATION COMMISSION OF THE STATE OF MONTANA BILLINGS OR SHELBY

SUNDRY NOTICES AND REPORT OF WELLS



			—— ————
Notice of Intention to Shoot, Acidize, or Cement	Subsequent Report of Abando	nment	1
Notice of Intention to Pull or Alter Casing	Supplementary Well History		
Notice of Intention to Abandon Well	Report of Fracturing		
			
(Indicate Above by Check Mark	Nature of Report, Notice, or Other	Data)	'
	••• ••••••	April 17	19 73
·			,
Following is a report of work done on land	d {	lows:	
		East Poplar	Unit No. 32
MONTANA	Roosevelt	Rast	Poplar Unit
(State)	(County)	(F	
Wall No. 32 SW NE Section 15	T28N	R51F	мрм
Well No. 32 SW NE Section 15 (m. sec.)	(Township)	(Range)	(Meridian)
The well is located 1980 ft. from \ \ \text{XXX} \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	d 1980 (t. from	line of Sec	15
LOCATE ACCURATÉLY ON PLAT ON BACK OF THIS			
The elevation of the derrick floor above the sea level is			
READ CAREFULLY DETAILS O	F PLAN OF WORK	REA	AD CAREFULLY
(State names of and expected depths to objective sands; sho cementing points, and all other important proposed work, particula			cate mudding jobs,
DETA	ILS OF WORK		
	RESULT		
		0.00	
East Poplar Unit No. 32 was acidized			
HCL acid as follows: Ran Baker Retr:			
acid l joint above packer and set packer			
took acid at 3 BPM at 700 PSI and bu			
Formation broke back to 1100 PSI with			_
to 1200 PSI with all acid in formation	on. Pressure decreased	to 1100 bs1	with 20
bbls. overflush in formation.			
ISI = 500 PSI 15 Min. S.I Va	acuum		
Workover Potential: 3 Hr. Test Pum	ned 23 11 PF - 195 PF	מסתומ ללו מם	7 RAPN
96% W.C.	ped 25.11 Br = 105 Br	ED 177 DWED	/ BOLD
	MITD DUV	OTT CODDODATT	.∪M
Approved subject to conditions on reverse of form	Company Florent	OIL CORPORATI	.ON
Date 18/12 20, 19/3/	Ву Ж. Д.	Brances	······································
By (kedson of Seel OF	Title District	Superintenden	it
District Office Agent Title	Address P.O. Box	547, Poplar,	Montana 59255
			•••••••••••••••••••••••••••••••••••••••
COMMISSION USE ONLY			



NOTE:-Reports on this form to be submitted to the District Agent for Approval in Quadruplicate

WHEN USED AS PERMIT TO DRILL, THIS EXPIRES 80 DAYS FROM DATE OF APPROVAL.

(SUBMIT IN QUADRUPLICATE)

TO

NOTICE
THIS FORM BECOMES A
PERMIT WHEN STAMPED
APPROVED BY AN AGENT
OF THE COMMISSION.

February 26 19 73

OIL AND GAS CONSERVATION COMMISSION

SUNDRY: NOTICES AND REPORT OF WELLS

Notice of Intention to Drill 30		Subsequent Report of Water Shut-off
Notice of Intention to Change Plans		Subsequent Report of Shooting, Acidizing, Cementing
Notice of Intention to Test Water Shut-off		Subsequent Report of Altering Casing
Notice of Intention to Redrill or Repair Well)	Subsequent Report of Redrilling or Repair
Notice of Intention to Shoot, Acidize, or Cement	XX	Subsequent Report of Abandonment
Notice of Intention to Pull or Alter Casing		Supplementary Well History
Notice of Intention to Abandon Well	1 1	Report of Fracturing

(Indicate Above by Check Mark Nature of Report, Notice, or Other Data)

Following is a notice of	intention to do work on land		follows: East Poplar U	nit No. 32
MONTAN	A			
(State)		(County)	(Field)
Wall No. 32	SW NE Section 15	T28N	R51E	MPM
weii No	SW NE Section 15	(Township)	(Range)	(Meridian)
	980 ft. from ${N \atop XXX}$ line and	•		
	k floor above the sea level is			
READ CAREFULLY	DETAILS OF F	PLAN OF WORK	R	EAD CAREFULLY
	ted depths to objective sands; show sl important proposed work, particularly			dicate mudding jobs,
	_	OF WORK SULT		

East Poplar Unit No. 32 is producing at the rate of 88 BFPD 5 BOPD 83 BWPD 94% BS&W - Uneconomical. This well was completed in the C-3 Zone with perforations at 5790-5800'.

It is proposed to acidize this well with 3000 gallons of 28% retarded acid. A 15 BOPD increase is expected.

Approved subject to conditions on reverse of form

Date 2-38. 7:3

By District Office Agent Title

Address P.O. Box 547, Poplar, Montana 5925

COMMISSION USE ONLY
API WELL NUMBER

2 5
BTATE COUNTY WELL

NOTE:-Reports on this form to be submitted to the District Agent for Approval in Quadruplicate

WHEN USED AS PERMIT TO DRILL, THIS EXPIRES 90 DAYS FROM DATE OF APPROVAL.

3

(SUBMIT IN TRIPLICATE)

GENERAL RULES 201, 202, 213, 216, 219, 233.1

NOTICE THIS FORM BECOMES A PERMIT WHEN STAMPED APPROVED BY AN AGENT OF THE COMMISSION.

OIL AND GAS CONSERVATION COMMISSION OF THE STATE OF MONTANA

BILLINGS OR SHELBY

CHECKEL OF THE SUNDRY NOTICES AND REPORT OF WELLS

Notice of Intention to Drill	Subsequent Report of Water Shut-off	
Notice of Intention to Change Plans	Subsequent Report of Shooting, Acidizing, Cementing	
Notice of Intention to Test Water Shut-of?	Subsequent Report of Altering Casing	[
Notice of Intention to Redrill or Repair Well	Subsequent Report of Redrilling or Repuir	
Notice of Intention to Shoot, Acidize, or Cement	Subsequent Report of Abandonment	
Notice of Intention to Pull or Alter Cusing	Supplementary Well History	XX
Notice of Intention to Abandon Well	Report of Fracturing	

(Indicate Above by Check Mark Nature of Report, Notice, or Other Data)

	***************************************	May 5,	19.54
Following is a { retire of intention to above k } on land			
	LEASE	BLM-A-129305	-A
MONTANA	Roosevelt	East Pop	lar
(State)	(County)		(Field)
Well No. 32 SW NE Section 15	28 N	51E	" M.P.M. Meridian)
·			Ŋ
The well is located	line and4200ft. {) ofli	ne of Sec5
The elevation of the derrick floor above the sen level is20	88K•B•		
READ CAREFULLY DETAILS O	OF PLAN OF WORK		READ CAREFULLY
(State names of and expected depths to objective sands; show size, we all other important proposed work, particularly all details results Shooting,	ights, and lengths of proposed ca Acidizing, Fracturing).	sings; Indicate mudding	jobs, cementing points, and
	ILS OF WORK RESULT		
Ran 500 gallons of Dowell plugging mate with 450 gallons in formation. By-pass 3000 gallons of etching acid. Average spent acid to surface in 7 minutes. Fo to pits flowed estimated rate of 100 BO	ed 50 gallons up ca: injection rate 2.7 l rmation fluid in 32	sing and acidi BPM at 1800#. minutes. Aft pen flow.	zed with Flowed
		MAY I	LO 1954
APPROVED SUBJECT TO CONDITIONS SHOWN ON REVERSE.			HOTELESTAND OF ANTENDRATE - AMARTA
Approved 5-10-54		rphyCorporati	on
Mark P. Autry			
Title Geologist-Engineer	Title	strict Product	ion Supt.
District Office Agent	AddressBo	х 447, Poplar,	Montana
NOTE:Reports on this Form to be submitted to the District Agent for A	pproval in Triplicate.	•	

OVER

Form No. 2 ; **GENERAL RULES** 201, 202, 213, 216, 219, 233.1

(SUBMIT IN TRIPLICATE)

NOTICE THIS FORM BECOMES A PERMIT WHEN STAMPED APPROVED BY AN AGENT OF THE COMMISSION.

41 1 1 1 1 1

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or and the fit of

OIL AND GAS CONSERVATION COMMISSION OF THE STATE OF MONTANA

BILLINGS OR SHELBY

SUNDRY NOTICES AND REPORT OF WELLS

	<i>p</i> .		
Notice of Intention to Drill	Subsequent Report of Water Shu	t-off	
Notice of Intention to Change Plans	Subsequent Report of Shooting,	Acidizing, Cementing	
Notice of Intention to Test Water Shut-off	Subsequent Report of Altering Co	asing	
Notice of Intention to Redrill or Repair Well	Subsequent Report of Redrilling	or Repair	
Notice of Intention to Shoot, Acidize, or Cement	Subsequent Report of Abandonme	enf	
Notice of Intention to Pull or Alter Casing	Supplementary Well History		XXXXX
Notice of Intention to Abandon Well	Report of Fracturing		
,			
(Indicate Above by Check M	ark Nature of Report, Notice, or Other I	Data)	
	_ E	;	₽
i	Apri	1 19,	, 19.54
Following is a { contraction to durate a notion of work done on land	d { owned : described as follows:	1	<u>}</u>
j. P	LEASE	IM-A-129305-A	
MONTANA	Roosevelt	Montana	<u>'</u> 1
(State)	(County)	, , , , , , , , , , , , , , , , , , , ,	(Field)
www. 22 St. HE Soution 1	с 28 м	ביז פי	M D M
Well No. 32 SW IE Section 1	(Township)	(Range	Meridian)
m 1980 m (S.) . N	1090 a. (XE.)	4 TP	3 7
The well is located. 1980 ft. $\left\{\begin{array}{l} S.\\ N. \end{array}\right\}$ of N	line and1900it. $\{\overline{\mathbf{w}}_{\cdot}\}$	orEline	of Sec15
The elevation of the derrick floor above the sea level is	2088 K.B.	;	'n
The cicration of the deffice from above the sea level is			
READ CAREFULLY DETAILS	S OF PLAN OF WORK	RI	EAD CAREFULLY
(State names of and expected depths to objective sands; show size, all other important proposed work, particularly all details results Shoot	weights, and lengths of proposed casings; ing, Acidizing, Fracturing).	indicate mudding jobs	, cementing points, and
6			4
" DE	FAILS OF WORK		t
	RESULT	• •	
Ran 188 joints (5809.10) of 5½ inch, Casing. Set at 5819, Schlumberger Metype Scratchers at 5479 to 5524, 5622 lizers at 5447, 5538, 5652, 5725, and 5817 and Halliburton Baffle Collar at down at 4:25 P.M., 4-17-54. Bumped pheld okay. Rotated pipe freely while	asure. Landed 9.90' bel to 5694, and 5780 to 58 5802. Halliburton Auto 5784. Cemented with 30 lug with 1000#, released	ow RKB. HOWO 17. Five HOW matic Fill-up O sacks of Po	O Roto- CO Centra- Shoe at zmix. Plug
APPROVED SUBJECT TO CONDITIONS SHOWN ON REVERSE. Approved 4 2 5 - 5 4 (Date) Title Geologist-Engineer	-ur 61112 4	ict Production	n Supt
District Office Agent	Address Box 4	47, Poplar, M	ontana

NOTE:-Reports on this Form to be submitted to the District Agent for Approval in Triplicate.

3

(SUBMIT IN TRIPLICATE)

TO

NOTICE:
THIS FORM BECOMES A
PERMIT WHEN STAMPED
APPROVED BY AN AGENT
OF THE COMMISSION.

OIL AND GAS CONSERVATION COMMISSION OF THE STATE OF MONTANA BILLINGS OR SHELBY

SUNDRY NOTICES AND REPORT OF WELLS

Notice of Intention to Drill	Subsequent Report of Water Shut-off	
Notice of Intention to Change Plans	Subsequent Report of Shooting, Acidizing, Cementing	
Notice of Intention to Test Water Shut-off	Subsequent Report of Altering Casing	
Notice of Intention to Redrill or Repair Well	Subsequent Report of Redrilling or Repair	
Notice of Intention to Shoot, Acidize, or Cement	Subsequent Report of Abandonment	
Notice of Intention to Pull or Alter Casing	Supplementary Well History	XXX
Notice of Intention to Abandon Well	Report of Fracturing	
:	,	
(Indicate Above by Check Ma	ark Nature of Report, Notice, or Other Data)	à

		April 16,	, 19 54
Following is a { control of work done on the daywork } on	land { connect } described as follow	1	į
\$	LEASE	BIM-A-129305-	A
MONTANA	Roosevelt	Montana	i) ii
; (State)	(County)	į (F	ield)
Well No. 32 SW NE Section 15	28n (51E	M.P.M.
(m. sec.)	(Township)	(Range	Meridian)
The well is located. 1980 ft. $\left\{\begin{array}{c} \mathbf{S} \\ \mathbf{N} \end{array}\right\}$ of	N line and 1980 ft. { XE.	of E line of	Sec. 15
	1	9	
The elevation of the derrick floor above the sea level	is2088. K.B.	ı	•
DEAD CADDINETTY	MIC OF DIAN OF WORK	70.771 4.3	

READ CAREFULLY

DETAILS OF PLAN OF WORK

READ CAREFULLY

(State names of and expected depths to objective sands; show size, weights, and lengths of proposed easings; indicate mudding jobs, cementing points, and all other important proposed work, particularly all details results Shooting, Acidizing, Fracturing).

DETAILS OF WORK RESULT

Drill stem test #4: Testing C Zone. Total depth 5795 with single packer at 5777'. Tool open 1 hour. Tool opened at 1:10 P.M., 1-15-54, with fair blow, continued throughout test. Recovered 950' gas, 90' clean oil, 45' mud cut oil and 30' oil cut mud with no water. IBHFP-28#; FBHFP-85#; 20 minutes BHSIP-3090#; Hydro-3463#.

APPROVED SUBJECT TO CONDITIONS SHOWN ON REVERSE.

RECEIVED

APR 22 1954

Approved 4-285-4	GIL EXPURISE CAUSERVANDI COMMISSION
Mask F. Huly	CF THE STATE OF MONTANA - CTAINED BY
Title Geologist-Engineer	Title Ass't. Production Supt.
District Office Agent	Address Box 447, Poplar, Montana

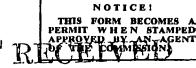
NOTE:-Reports on this Form to be submitted to the District Agent for Approval in Triplicate.

(SUBMIT IN TRIPLICATE)

GENERAL RULES 201, 202, 213, 216, 219, 233.1

TO

OIL AND GAS CONSERVATION COMMISSION OF THE STATE OF MONTANA



BILLINGS OR SHELBY

APR 24 1954

SUNDRY NOTICES AND REPORT OF WELLS

Notice of Intention to Drill	Subsequent Report of Water Shut-off CV THE STATE OF MON	HA - CHAR
Notice of Intention to Change Plans	Subsequent Report of Shooting, Acidizing, Cementing	
Notice of Intention to Test Water Shut-of?	Subsequent Report of Altering Casing	<u> </u>
Notice of Intention to Redrill or Repair Well	Subsequent Report of Redrilling or Repair	
Notice of Intention to Shoot, Acidize, or Cement	Subsequent Report of Ahandonment	
Notice of Intention to Pull or Alter Casing	Supplementary Well History	
Notice of Intention to Abandon Well	Report of Fracturing	<u> </u>
		1 1

(Indicate Above by Check Mark Nature of Report, Notice, or Other Data) DECEMBER PROPERTY OF THE PROPERTY (Property leased described as follows: on land report of work done BLM-A-129305-A Roosevelt Montana The well is located 1980 ft. } & of N line and 1980 ft. } & of E line of Sec. 15 The elevation of the derrick floor above the sea level is. 2088 K.B. READ CAREFULLY DETAILS OF PLAN OF WORK READ CAREFULLY (State names of and expected depths to objective sands; show size, weights, and lengths of proposed casings; indicate mudding jobs, cementing points, and all other important proposed work, particularly all details results Shooting, Acidizing, Fracturing). DETAILS OF WORK RESULT Ran 186 joints (5797.03') of 2 3/8", EUE, J-55, 8 rd. thd., American Tubing. Landed 9.10' below RKB and set at 5768.13; Schlumberger Measure. Displaced water with oil and perforated with Lane Wells Tubing Gun from 5790 to 5800, Schlumberger Measure, with 50 shots. Acidized with 1000 gallons Etching Acid. Formation broke at 2000#. Injected 2.4 barrels per minute at 1600#. Bled down to 1500# at end of job. Acid water to surface in 18 minutes. 10% oil, 90% acid water after 40 more minutes. flowing 70 to 90% water at the rate of 100 to 200 barrels of fluid per day open flow

APPROVED SUBJECT TO CONDITIONS SHOWN ON REVERSE

Approved 4-26-54	Company Murphy Corporation
Mask P. Thuky	•
Title Geologist-Engineer	Title District Production Supt.
District Office Agent	Address. Box 1417, Poplar, Montana

NOTE:-Reports on this Form to be submitted to the District Agent for Approval in Triplicate.

with 500# C.P. after 15 hours. Chlorides on water 16.000 PPM.

(SUBMIT IN TRIPLICATE) \mathbf{TO}

GENERAL RULES 201, 202, 213, 216, 219, 233.1

NOTICEL THIS FORM BECOMES A PERMIT WHEN STAMPED APPROVED BY AN AGENT OF THE COMMISSION.

RECEIVED OIL AND GAS CONSERVATION COMMISSION

APR 15 1954 OIL AND GAS CONSERVATION COMMISSION SUNDRY NOTICES AND REPORT OF WELLS

C MIBERILI SIDE MARIEN AND CHAINGS

BILLINGS OR SHELBY

Subsequent Report of Water Shut-off

Notice of Intention to Change Plans		adosedness sectors of Shoot	ng, Actuating, Cementing		I
Notice of Intention to Test Water Shut-of?		Subsequent Report of Alteri	ng Casing		
Notice of Intention to Redrill or Repair Well	i	Subsequent Report of Redril	ling or Repair		
Notice of Intention to Shoot, Acidize, or Cement		Subsequent Report of Abanc	lonment		
Notice of Intention to Pull or Alter Casing		Supplementary Well History		XXXX	
Notice of Intention to Abandon Well		Report of Fracturing			
, , , , , , , , , , , , , , , , , , , ,					
(Indicate Above by	Check Mark Natu	ro of Report, Notice, or Ot	her Data)		j
, tenuncate Abbito by	Check was rule	io or mapping round, or or			
			April 14,		5h
				·····, l	10.:
Following is a { continuous for the continuous for	on land	described as follo	ws:		
(report of work done	(ican		BLM-A-02930	ا ت _ ۸ الح	
				2	
MONTANA (State)				**	
(State)	((County)	******************************	(Field)	*********
Wall No 32 SW NE Secti	on 15	28 и	51E	м.Р.И.	_
Well No. 32 SW NE Secti		(Township)	(Range	Meridian)	;)
The well is located1980ft. { S. NX } of	М	. 7080 (VI	ים ניעי	, ,,	_
The well is located420ft. { xix } of	.Mline	andft. {^-6	∕r } ofElir	ie of Sec	?.
				j	
The elevation of the derrick floor above the sea leve	el is	77.917.8			
READ CAREFULLY DI	ETAILS OF P	LAN OF WORK		READ CAREF	111.T.V
(State names of and expected depths to objective sands; shall other important proposed work, particularly all details resu	lts Shooting, Acid	izing, Fracturing).	ongo, marcare madarag ji	yos, cementing pon	115, 8110
	2222444	^n			
	DETAILS (
n in a state to the No. O submedule an			ol anam I haum	b aronad	
Drill stem test No. 2, straddle pa	ckers at 5	0)2 1:0 90([1. 10	or oben 4 nour	s, opened	
at 10:36, 4-12-54, with weak blow,	increasin	g to very weak t	orow arret 15 u	ייים בייים בייים מונים בייים אונים בייים	и.
tinued throughout test. Recovered					r 3
FBHFP-220#, 20 minutes BHSTP-2663#	; Hydro-34	63#. Bottom pac	ker held okay.		
		m, m/clas, m	/		
Drill stem test No. 3, straddle pa					
Tool open at 8:12 A.M., 4-13-54, w					ırs.
Recovered 30' muddy oil cut salt w				.5#; FBHFP-	
985#; 20 minutes BHSIP-2690#; Hydr	·o-3355#•	Bottom packer he	ld okay.		
		•		•	
4-15-54		o Mar	nhar Corporatio	'n	
Approved(Date)		Company	pily our por auro	***************************************	•••••••••••
- Think to the	•	10.1 M	H/h	<i>A</i> .	
Approved (Dque)		13 y	- Joseph - C-	~	
Title		TitleASS	ty/District P	roduction S	oupt.
		(
District Office Agent		AddressBox	Lul 7, Poplar,	Montana	
NOTE:—Reports on this Form to be submitted to the District	A	al la Tabillanta			
THE PROPERTY OF THE WORDS TO BE KURMULED IN THE DISCRETE	APPRILIT ADDIOV	u in Illinicule.			

OVER

(SUBMIT IN TRIPLICATE)

GENERAL RULES 201, 202, 213, 216, 219, 233.1

NOTICEI THIS FORM BECOMES A PERMIT WHEN STAMPED APPROVED BY AN AGENT OF THE COMMISSION.

OIL AND GAS CONSERVATION COMMISSION OF THE STATE OF MONTANA

BILLINGS OR SHELBY

SUNDRY NOTICES AND REPORT OF WELLS

Notice of Intention to Drill	Subsequent Report of Water Shut-off	
Notice of Intention to Change Plans	Subsequent Report of Shooting, Acidizing, Cementing	
Notice of Intention to Test Water Shut-off	Subsequent Report of Altering Casing	
Notice of Intention to Redrill or Repair Well	Subsequent Report of Redrilling or Repair	
Notice of Intention to Shoot, Acidize, or Cement	Subsequent Report of Abandonment	
Notice of Intention to Pull or Alter Casing	Supplementary Well History	XXX
Notice of Intention to Abandon Well	Report of Fracturing	
(Indicate Above by Check	Mark Nature of Report, Notice, or Other Data)	;

Notice of Intention to Pull or Alter Casing	Supplementary Well History		LXXXX. I			
Notice of Intention to Abandon Well	Report of Fracturing	Report of Fracturing				
	1					
(Indicate Above by Check	Mark Nature of Report, Notice, or Ott	her Data)	;			
		April 12	, 195			
Following is a { report of work done } on la	and { coscord } described as follo		•			
	LEASE	BIM-A-0293	305-A			
MONTANA	Roosevelt	East Po	plar			
(Sinte)	(County)	•••••••••••••••••••••••••••••••••••••••	(Field)			
Well No. 32 Sy NE Secti	.on 15 28N (Township)	51E (Range	M.P.M. Meridian)			
The well is located1980ft. $\left\{\begin{array}{c} x \\ x \\ \end{array}\right\}$ of	line and 1980 ft. { X	; ;; } ofEline	of Sec15			
The elevation of the derrick floor above the sea level is	2088 K.B.		•			
READ CAREFULLY DETAI	ILS OF PLAN OF WORK	R	EAD CAREFULLY			
(State names of and expected depths to objective sands; show size all other important proposed work, particularly all details results Sho	ze, weights, and lengths of proposed ca ooting, Acidizing, Fracturing).	sings; indicate mudding job	s, cementing points, and			
D	PETAILS OF WORK RESULT	·				
5617' Drill stem test No. 1, strade open $3\frac{1}{2}$ hours. Tool open d at 11:10 blow in $2\frac{1}{2}$ hours. Gas to surface in oil and 5165' of salt water. Tool water.	0 A.H., $h-8-5h$, with goon 3 hours and 20 minutes would not close for shure.	od blow, increas s. Recovered 30	sing to fair O' of clean			
FBHFP-2503#; Hydro-3300, Bottom pac	RE	CEIVED				
	P	APR 15 1954				
		S CONSERVATION COMMISSI LIE OF MONTANA - DILLIKO				
Approved $4-15-54$	CompanyMu	rphy Cornoration	g			
Mask 1. The lay	Ву	es me				
Title - Seal Esig		trict Production	_			

Address Box 447, Poplar, Montana District Office Agent

NOTE:-Reports on this Form to be submitted to the District Agent for Approval in Triplicate.



Form No. 2

(SUBMIT IN TRIPLICATE)

GENERAL RULES

201, 202, 213,

OIL AND GAS CONSERVATION COMMISSIGN SUNDRY NOTICES AND REPORT OF WELLS

NOTICE! THIS FORM BECOMES A PERMIT WHEN STAMPED APPROVED BY AN AGENT OF THE COMMISSION.

216, 21KE

CEIVED OIL AND GAS CONSERVATION COMMISSION OF THE STATE OF MONTANA

2 1954 APR

BILLINGS OR SHELBY

(F) THE 21.15 OF MI		1	Subsequent Repo	ort of Water Shi	ut-off '		7
	ion to Change Plans				Acidizing, Cementing	·	.
	on to Test Water Shut-	ofi	Subsequent Repo				
	ion to Redrill or Repair		Subsequent Repo	ort of Redrilling	or Repair		
Notice of Intent	ion to Shoot, Acidize, o	or Cement	Subsequent Repo	ort of Abandona	ent		İ
Notice of Intent	lon to Pull or Alter Ca	sing	Supplementary V	Vell History		XX	
Notice of Intent	ion to Abandon Well		Report of Fracti	urlog	_		.]
							1
	(Indic	ate Abovo by Check M	lark Nature of Report, N	otice, or Other	Data) ·		_
λ		٠		•••••	March 31,	,	195.4.
Following is a { con	tike ukiatentiae tu port of work done	on land	d {	d as follows:	BLM-A-029	305	
,			Roosevelt		Fact Po	nlan Unit	
)NTA.NA(State)	•••••••	(County)	••••••	pasu 10	(Field)	•••••
NO III NT.	32	Section 15	28 N		ና ገ ፳	м. Р. м	
Well No		(m. sec.)	28 N (Township	······································	(Range	Meridia	n)
			line and1980		ofEli	ne of Scc15	
The cievation of the							
READ CAREFULLY	=		S OF PLAN OF WO			READ CARE	
(State names of and all other important propo	expected depths to objusted work, particularly	ective sands; show size, all details results Shoot	weights, and lengths of ting, Acidizing, Fracturing)	proposed casing	; indicate mudding]	jobs, cementing po	ints, and
· ·		DE	TAILS OF WORK RESULT			Y	
American Ca Centralize Ideal sack last 200 sa	asing. Lande rs at 783 and cement and 2 acks. Plug d	d 12 feet bel 976. Cement 60 sacks of I own at 6:15 A	inch, J-55, 36 ow RKB and set ed with 390 sac deal regular but. M., 3-21-51. lean cement. I	at 992.59 ks as following the common of the	5 feet. Two llows: 130 with 2% Ca lug with 800	HOWCO sacks of Cl in the #. Cir-	
Appreved sub	ject to condi	tions on reverse.	Company. By	Murphy	Corporation	n lan	
mu. Ge	ologist-Engin	eer 7	Title	Distri	t Production	n Supt.	_
Title	District Office A	•••••••••••••	Address		, Poplar, M		•••••
NOTE:-Reports on this	Form to be submitted	to the District Agent fo	or Approval in Triplicate.				

Form 3160-5 (June 1990)

1. Type of Well

12.

X Oil Well

2. Name of Operator

ENVIRONMENTAL PROTECTION AGENCY UNITED STATES

DEPARTMENT OF THE INTERIOR **BUREAU OF LAND MANAGEMENT**

5 1998 NOV

TYPE OF ACTION

FORM APPROVED Budget Bureau No. 1004-0135 Expires: March 31, 1993

5. Lease Designation and Serial No.

6. If Indian, Allottee or Tribe Name

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1	4	_	11	_	7	n	4	11	4	•

Ft. Peck

SUNDRY NOTICES AND REPORTS ON WEDLETANA OFFICE

Do not use this form for proposals to drill or to deepen or reentry to a different reservoir. Use "APPLICATION FOR PERMIT—" for such proposals

SUBMIT IN TRIPLICATE

7. If Unit or CA, Agreement Designation East Poplar Unit 8. Well Name and No. EPU No. 32

Murphy Exploration & Production Company 3. Address and Telephone No.

P.O. Box 547, Poplar, MT 59255 4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

SW NE Section 15, T28N, R51E

TYPE OF SUBMISSION

Other

25-085-05024 10. Field and Pool, or Exploratory Area

East Poplar Unit 11. County or Parish, State

Roostvelt Montana

9. API Well No.

CHECK APPROPRIATE BOX(s) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

Notice of Intent	Abandonment	Change of Plans
	Recompletion	New Construction
Subsequent Report	Plugging Back	Non-Routine Fracturing
	Casing Repair	Water Shut-Off
Final Abandonment Notice	Altering Casing	Conversion to Injection
an an	X Other Temporarily abando	n Dispose Water
consist franc	是了信仰于山林特色。此下。	(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)
suits Despessed on Completed Operations (Clearly state of	handings details and sive nestings dates including estimated date of stanting of	an account weak If well is dissolionally deille

give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)* .."3"

We are in the process of running some 3-D seismographic in the East Poplar Unit and would like to retain the status of temporarily abandoned until the seismograph has been completed and evaluated.

in establica and a regimenter

14. I hereby certify that the foregoing is true and correct	Title District	Managar	11.07/05
(This space for receral or State office use)	Title Acting	ADW - Minerals	Date 11-07/95
Conditions of approval, if any: See Attached for Conditions of Approval		9	Date

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

Form 3160-5 (June 1990)

UNITED STATES DEPARTMENT OF THE INTERIOR BUREAU OF LAND MANAGEMENT

FORM APPROVED Budget Bureau No. 1004-0135 Expires: March 31, 1993

5. Lease Designation and Serial No.

	CUNDBY NOTICES	AND DEDORT	CONTRACTO		14202564047
Do not use this	SUNDRY NOTICES s form for proposals to d Use "APPLICATION FO	rill or to deepen	or reentry to a		6. If Indian, Allottee or Tribe Name
					Ft. Peck 7. If Unit or CA, Agreement Designation
	SUBMI	T IN TRIPLICAT	E .		7. If Unit of CA, Agreement Designation
I. Type of Well Oil Well Ga	as Other				East Poplar Unit 8. Well Name and No.
2. Name of Operator					EPU No. 32
Murphy Ex	xploration & Pro	duction Co	mpany		9. API Well No.
3. Address and Telephon	ne No.				05024
P.O. Box	547, Poplar, MI	59255	(406-768-3	3612)	10. Field and Pool, or Exploratory Area
4. Location of Well (Fo	otage, Sec., T., R., M., or Survey I	Description)	•		East Poplar Unit 11. County or Parish, State
SW NE Sec	ction 15, T28N,	R51E			Roosevelt
			i		Montana
12. CHECI	K APPROPRIATE BOX	(s) TO INDICAT	E NATURE OF	NOTICE, REPOR	
TYPE C	OF SUBMISSION			TYPE OF ACTION	
☐ Notic	ce of Intent	<u> </u>	Abandonment		Change of Plans
_	·	<u> </u>	Recompletion		New Construction
X Subse	equent Report		Plugging Back		Non-Routine Fracturing
_			Casing Repair	•	Water Shut-Off
Final	Abandonment Notice		Altering Casing		Conversion to Injection
		X	Other	•	Dispose Water
	7. 14. 50. 12.3.	no de desta de la composición dela composición de la composición dela composición de la composición de la composición dela composición de la composición de la composición dela composición de l	"		(Note: Report results of multiple completion on Well
13 Describe Proposed or	<u> </u>			line estimated date of starting of	Completion or Recompletion Report and Log form.) ny proposed work. If well is directionally drilled
give subsurface 1	Move in rig up inhibited 10.2 tubing. Pull	pulling u	nit. Pumr wn casing,	o 100 barrels 20 barrels	
10-06-94	Rig up Penkota Rig down.	Wireline :	run in to	5400' and se	t 5½" B.P.
10-23-94	Pressure casin	g to 500#':	s held for	30 minutes.	1994 557 Reines Of Lend 1994 Wiles City, Of Montana, Of Lend 1999
		eng ye switee	· ·		SI SU SUNT
14. I hereby certify that the	he foregoing is true and correct	,			

Date 10-28-94 District Manager Signed 🔼 Date NOV ADM - Minerals 1 1994 Approved by //////
Conditions of approval, if any: See Attached for

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

Form 3160-5 (June 1990)	UNITED STATES DEPARTMENT OF THE INTERIOR BUREAU OF LAND MANAGEMENT	FORM APPROVED Budget Bureau No. 1004-0135 Expires: March 31, 1993 5. Lease Designation and Serial No.
	SUNDRY NOTICES AND REPORTS ON WELLS his form for proposals to drill or to deepen or reentry to a different reservoir. Use "APPLICATION FOR PERMIT—" for such proposals	14202564047 6. If Indian, Allottee or Tribe Name Ft. Peck
	SUBMIT IN TRIPLICATE	7. If Unit or CA, Agreement Designation
	Gas Strand Stran	East Poplar Unit 8. Well Name and No.
	Exploration & Production Company	East Poplar Unit #32 9. API Wall No. 05024
P.O. Bo	x 547, Poplar, MT 59255 (768-3612) (Footage, Sec., T., R., M., or Survey Description)	10. Field and Pool, or Exploratory Area East Poplar Unit
SW NE S	ection 15, T28N; R51E: Energy of Commence of the Commence of t	11. County or Parish, State Roosevelt Montana
	CK APPROPRIATE BOX(s) TO INDICATE NATURE OF NOTICE, REPORT OF SUBMISSION TYPE OF ACTION	
IX N St St I3. Describe Proposed give subsurface EPU No. It is p: to 300#	otice of Intent Abandonment Recompletion Plugging Back Casing Repair Altering Casing Other Or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting ce locations and measured and true vertical depths for all markers and zones pertinent to this work.)* 32 was producing from the A-2 and A-3 Zone 5480 roposed to set a CIBP at 5400' and pressure test We would like to save this well bore while we	Change of Plans New Construction Non-Routine Fracturing Water Shut-Off Conversion to Injection Dispose Water (Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.) any proposed work. If well is directionally drilled,
some D.	O.C. work being done cime the area."	
W	1 marie 1	J/N 1994 ireau of Land anagement Jionras City,
a story of the second	The second of th	iontana
Signed Kary	at the foregoing is true and correct Manager Title District Manager	Date 1-14-94
(This space for Fo Approved by Conditions of Appr		JAN 1 9 19947 See Alloched for
alt 1	18 94 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United	the small transfer of
	any matter within its jurisdiction.	succes any tensor, monitous or transmismis statements

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Form 9-331 UNITED ST (May 1963)	ATES	SUBMIT IN TRIPLICAT		R1424.
DEPARTMENT OF T	HE INTE	RIOR (Other Instructions on verse side)	5. LEASE DESIGNATION AND SERIA	
GGEOLOGICAL	- ,		77.4 020205 4	
		,	BLM-A-029305-A 6. IF INDIAN, ALLOTTEE OR TRIBE	MAMP
SUNDRY NOTICES AND (Do not use this form for proposals to drill or to). Use "APPLICATION FOR PERM	ŘÉPÖRTS	ON WELLS	, I I INDIAN, ADDOTTED ON THE DE	
(Do not use this form for proposals to drill or to	deepen or pl	g back to a different reservoir.	¹ ∥	. :-
Use "APPLICATION FOR PERM	IIT—" for suc	proposal ECEIVEU .	Fort Peck	-
1			7. UNIT AGREEMENT NAME	-
WELL GAS TO OTHER		JAN 21 1974	East Poplar Unit	2
MAND OF OPERATOR		DAIL W Z 1011	8. FARM OR LEASE NAME	-
, · · · · · · · · · · · · · · · · · · ·		.	三 【	5
Murphy Oil Corporation			East Poplar Unit	3
8. ADDRESS OF OPERATOR		Billings, Montana	9. WELL NO.	Ξ
P.O. Box 547, Poplar, Montana	59255		No. 32.	ê
4. LOCATION OF WELL (Report location clearly and in acco.		ny State requirements.	10. FIELD AND POOL, OR WILDCAT	=
See also space 17 below.) At surface	• '		East Poplar-Unit	Ξ.
9 - 77 - 77 - 77	•		11. SEC., T., R., M., OB BLK. AND	-
10001			SURVEY OR AREA	5
1980' from the North line and 19	80" from	i the East line	C SW NE Section 1	.5.
•••	• *		T28NF R51E	
14. PERMIT NO. 15. ELEVATIONS	(Show whether	DF, RT, CR, etc.)	12. COUNTY OR PARISH 13STAT	B2, 2,
205.20	78 . G.L.		Roosevelt Mon	tana
4,54				 -
	To Indicate	Nature of Notice, Report, o	r Other Data	3
NOTICE OF INTENTION TO:	•	•	SEQUENT REPORT OF:	<u>c</u>
NOTICE OF INTENTION TO	~	5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5		- \$
TEST WATER SHUT-OFF . "PULL" OR ALTER CAS	Sing _1.	WATER SHUT-OFF	REPAIRING WELL	3
FRACTURE TREAT	re —	FRACTURE TREATMENT	BALTERING CABING	
	·- 		X ABANDONMENT 9	7
BHOOT OR ACIDIZE	 	SHOOTING OR ACIDIZING	ange	.
REPAIR WELL CHANGE PLANS	1-1	(Other)		<u>.</u>
(Other) Though Sanca	<u>-</u> - <u>-</u> - <u>-</u> - <u>-</u> -	Completion or Reco	ults of multiple completion on Well 5.	至此的
.17. DESCRIBE. PROPOSED OR COMPLETED OPERATIONS (Clearly 8	tate all pertli	ient details, and give pertinent da	tes, including estimated date of starti	ag a agr
proposed work if well is directionally drilled, give nent to this work.).	subsurface k	cations and measured and true ver	rtical depths for all markers and sones	pert
and the first of the same				
A 5-1/011 O T budden mlars and	577	01		* 7
A 5-1/2" C.I. bridge plug was set				<u> </u>
The A-2 and A-3 Zones were perform				<u></u>
was acidized as follows: WCirc. 1	iole wit	h salt water, set pac	ker, pressured casing	ž
acto 1000 PSI: Broke formation with	th 3400	PST, 1/4 RPM injection	on rate. Released pres	5
sure and packer. Spotted acid, a				
Dumped 2000 collings of 2008 years	أفرارا والأعانم و		asing to 1000 rsise	\$,
A Pumped 3000 gallons of 28% HCL w	ten inni	bicor, emulsion break		<u>چ</u>
added and see 1480-5496 with a to	THAT FROM WE	-6 -6	0. S. C. T. T	32
gal rap or 28% acid, if needed.			1	Ŕ
Maximum	Injecti	on Rate 1-1/2 BPM	RECEI, IN THE	国 ニー
	_	on Rate 1/4 BPM	三型工工机,1000 三型工	3
	-		Indiota Fere	1
Maximum		3400#	「	j.
Minimum	PSI	900#		<u> -</u> .
ISIP		600 <i>#</i>	CASPER LANGE BE	Ē
10 Min.	S.I.	500#	WYOMER, WYOME	=
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Morkovan Batantial 2/ In Mast	ימת 212	nn 6 nonn 207 nimn	070 11 0 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	<u>~</u> •••
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			Elitable and Solve	₽.
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18. I hereby certify that the foregoing is true and correct			<u> </u>	
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SIGNED MANUEL	TITLE !	District Superintend	lent DATE January 18,	<u>-197</u> 4
(This area to Tales) as Date of the	 	Chirilia Hi		
(This space for Federal or State office use)	unia .	JISTRICT ENGINEER	The state of the s	; •
APPROVED BY	TITLE		DATE	<u> </u>
CONDITIONS OF APPROVAL, IF ANY				

UNITED STATES	SUBMIT IN
DEPARTMENT OF THE INTERIOR	verse side)

Form approved.

J63)	DEPARTMEN	IT OF THE INT	ERIOR (Other Instruction	on re-	Budget Bureau No. 428-R1424. 5. LEASE DESIGNATION AND SESIAL NO.
		LOGICAL SURVE		ŀ	BLM-A-029305-A
SIINI	DRY NOTICES	AND REPOR	TS ON WELLS		6. IF INDIAN, ALLOTTEE OR TRIBE NAME
(Do not use this f	orm for proposals to	drill or to deepen or	plue back to a different reservance Sal	rofe:	Port Book
17	OSC METHONING		RECLIVE	TVSV	Fort Peck = = = = = = = = = = = = = = = = = = =
WELL X WELL [OTHER.		KEOLIVER		East Poplar Unit
2. NAME OF OPERATOR	ati An	ţ	DEC 3 1973		8. FARM OR LEASE NAME
Murphy Oil Cor	oration		· · · · · · · · · · · · · · · · · · ·		East Poplar Unit
P.O. Box 547, I	Contract Marie		Dilliana New 's	.	9. WELL NO. STREET TO STRE
4. LOCATION OF WELL (Re	port location clearly		Billings, Nichia		No. 32 = = = = = = = = = = = = = = = = = =
See also space 17 belov At surface	v.)			1	East Poplar Unit
				Ī	11. SEC., T., R., M., OB BLE. AND
1980' from the	North line	and 1980 from	the East line		C SW NE Section 15, = = =
14. PERMIT NO.	15	BLEVATIONS (Show wheth	her DE RT'OR etc.)		T28N, R51E - 8 - 2 - 2 - 2 - 2 - 2 - 2 - 2 - 2 - 2
11, Ibasit No.		2078 G. Ir	•		Roosevelt
16.	A A ANDRODUS				
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no Terr bourd the fire	TICE OF INTENTION			SUBSECUE	NT REPORT OF
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FRACTURE TREAT 650000 100 ACCIDIZE SHOOT OR ACCIDIZE	ABAND		5 PRACTURE TREATS	- II	ALTERING CABING
BEPAIR WELL	08.00	E PLANS	t' (Other)	JEINO,	5 - 5 N T T T T
(Other) Change		X	(Norn: Ren	ort results o	f multiple completion on Well
17. DESCRIBE PROPOSED OR (ONPLETED OPERATION	ss (Clearly state all per			ncluding estimated date of starting any depths for all markers and sones perti-
nent to this work.)		a.m.a, 8 sampa	· ·		ell din die
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an 3 Ble at 760 37	end fulle	Co 1641 Fill R			the second secon
A bridge plug w	111 be set w 480-54965-54	th a thru tuh	of cement over the	C~Zone	be acidized with 3000.
*ingallons of 28%	acid, if nee	eded.	ing game. The R De	ME WILL	
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18. I hereby certify that the	ne foregoing is true	and correct			
SIGNED	Biguer	TITLE	District Superin	tendent	DATE November 29, 197
(This space for Federa	or State office use	, A	DISTRICT ENGINE		
APPROVED BY	into	aul TITLE	THE ENGINE	ER	DATE 12-5 - 73
APPROVED BY CONDITIONS OF APP	ROVAL, IF ANY:				

•	Ked. 21
UNITED STATES SUBMIT IN TRIPLI	CATES Form approved.
DEPARTMENT OF THE INTERIOR (Other Instructions verse side)	5. LEASE DESIGNATION AND SERIAL NO.
GEOLOGICAL SURVEY	BLM-A-029305-A 6. IF INDIAN, ALLOTTEE OR TRIBE NAME
SUNDRY NOTICES AND REPORTS ON WELLS (Do not use this form for proposals to drill or to deepen or plug back to a different eservoir Use "APPLICATION FOR PERMIT—" for such proposals HCB TO	
Use "APPLICATION FOR PERMIT—" for such proposal HCB" ED 1. OIL XX GAB WELL OTHER	Fort Peck
OIL XX WELL OTHER OTHER OTHER	East Poplar Unit
Murphy Oil Corporations	East Poplar Unit
8. ADDRESS OF OPERATOR P.O. BÖX 547, Poplar; Montana 59255 4. LOCATION OF WELL (Report location clearly and in accordance with any State regativements.*	No. 32 1 5 5 1 5 1
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements. See also space 17 below.)	10. FIELD AND POOL, OR WILDCAT
At surface	East Poplar Unit
1980! Secretar Month of Contract on 1900! from the	11. SEC., T., B., M., OR BLE. AND
1980 from the North line and 1980 from the East line	C SW NE Section 15
14. PERMIT NO. 15. ELEVATIONS (Show whether DF, RT, GR, etc.)	T28N R51R 12 COUNTY OR PARISH 18. STATE
2078 ^{% *} G,L,	Roosevelt Montana
Check Appropriate Box To Indicate Nature of Notice, Report	, or Other Data
	UBBRQUENT BEPORT OF:
TEST WATER SHUT-OFF PULL OR ALTER CASING WATER SHUT-OFF	REPAIRING WELL
FRACTURE TREAT MULTIPLE COMPLETE PRACTURE TREATMENS	ALTERING CABING
BHOOT OR ACIDIZE ABANDON BROOTING OR ACIDIZIN	IG XX ABANDONMENT
REPAIR WELL CHANGE PLANS (Other)	
(Other) Completion or F	results of multiple completion on Well 3 3 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4
17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent proposed work. If well is directionally drilled, give subsurface locations and measured and true nent to this work.) **	dates, including estimated date of starting any vertical depths for all markers and sones pertical
nent to this work.) •	on in the second
The state of the s	Wen
East Poplar Unit No. 32 was acidized with 3,000 gallons of 28	% retarded, inhibited HCL
acid as follows: Ran Baker Retrievomatic packer to 5770'. I	illed hole, spotted acid,
1 joint above packer and set packer. Pressured annulus to 50 at 3 BPM at 700 PST and built for 1400 PST with 34 bbls. in for	0 PSI. Formation took acid
at 3 BPM at 700 PST and built to 1400 PST with 34 bbls. in fo	ormation. Formation broke
back to 1100 PST with 50 bbls in formation. Pressure slowly	o increased to 1200 PS; with
all acid in formation. Pressure decreased to 1100 PSI with 2	0 bbls. overflush in forma-
tion. as is present to attaign this wall seed 1700 guilds and 1700	proposal disconsiste disconsis
ISI = 500 PSI = Vacuum	
the second secon	or the second of
Workover Potential: 3 Hr. Test Pumped 23.11 BF = 185 DFPI	D. 177 BWPD 7 BOPD 1 1 1 1
96% W.C.	
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	GICAL SURVEY The World of the Bond Holder of the Bo
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TO THE STATE OF TH	GICAL SURVEY of the allowing the state of the survey of the allowing the survey of the
AFR.	[] [] [] [] [] [] [] [] [] []
8. I hereby certify that the foregoing is true and correct	P WYOMING
8. I hereby certify that the foregoing is true and correct SIGNED W. Brawer TITLE District Superintend	ent DATE April 17, 1973,
(This space for Federal or State office use)	11 1 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2
CONDITIONS OF APPROVAL, IF ANY:	DATE 429.

PLUGS AND ADAPTERS

Size

Length Depth set

9-5/8

MARK

FOLD

992.55

Heaving plug-Material

Adapters-Material.

300

Form 9-331 (May 1963)

UNITED STATES SUBMIT IN TRIPLICATE Other instructions on re DEPARTMENT OF THE INTERIOR Verse ENVIRONMENTAL

Form approved. Budget Bureau No. 42-R1424. 5. LEASE DESIGNATION AND SERIAL NO.

	GEOLOGICAL SURVEY	PROTECTION AGEN	CY 14-20-0256-4750
SUNDRY NO	OTICES AND REPORTS (roposals to drill or to deepen or plug I LICATION FOR PERMIT—" for such p	ON WELLSON 5 1998 pack to a different reserved.	Lewellyn L. Brown et al
1.		MONTANA OFF	CENIT AGREEMENT NAME
OIL GAS OTHE	R DRY HOLE	MOLITICAL OF L	1
2. NAME OF OPERATOR	- DKI ROLL		NONE 8. FARM OR LEASE NAME
	•		1 '
Juniper Petroleum (Lorporation		Allotted 3047
3. ADDRESS OF OPERATOR			9. WELL NO.
1660 Lincoln St., S	<u> Ste. 2410, Denver, CO 8</u>	0264 - 2498	1-21
4. LOCATION OF WELL (Report locati See also space 17 below.)	on clearly and in accordance with any	State requirements.	10. BIELD AND POOL, OR WILDCAT
At surface			S.W. Poplar
10001 ECL # 10001	EEL Con 21 TOOM DEL	F MDM	11. SEC., T., R., M., OR BLK. AND
	FEL Sec. 21, T28N, R51	E, MPM	SURVEY OR AREA
Roosevelt Co., Mor	itana	OCT WELL	Sec. 21, T28N, R51E
14. PERMIT NO.	15. ELEVATIONS (Show whether DF.	RT. GR. eta);	12. COUNTY OR PARISH 13. STATE
59261	2061 GL	Filtrick 1	Prosevelt Co MT
			Roosevelt Co., MT.
16. Check	Appropriate Box To Indicate N	lature of Notice, Report, or C	Other Data
NOTICE OF IN	NTENTION TO:	SUBSEQU	DENT REPORT OF:
TEST WATER SHUT-OFF	PULL OR ALTER CASING	WATER SHUT-OFF	REPAIRING WELL
FRACTURE TREAT	MULTIPLE COMPLETE	PRACTURE TREATMENT	ALTERING CASING
SHOOT OR ACIDIZE	ABANDON*		ABANDONMENT* Y
		SHOOTING OR ACIDIZING	J ABANDONMENT
REPAIR WELL	CHANGE PLANS	(Other)	of multiple completion on Well
(Other)			etion Report and Log form.)
17. DESCRIBE PROPOSED OR COMPLETED proposed work. If well is direct to this work.) *	OPERATIONS (Clearly state all pertinent ectionally drilled, give subsurface locat	details, and give pertinent dates, ions and measured and true vertical	including estimated date of starting an il depths for all markers and zones perti

Well was plugged on 10 September, 1981 as follows:

Set cast iron bridge plug at 5700° . Dumped two sacks cement on top of bridge plug. Cemented top of 5 $1/2^{\circ}$ csg. with 10 sx. Casing was cut off five feet below ground level and an identifying marker was welded to the casing top.

Proprietary/Confidential Information U.S. Gov't Use Unly

collin :

SIGNED 10. I hereby certify that the foregoing is true and correct	TITLE Staff Production Engineer	рать <u>October 20, 198</u> 1
APPROVED BY JOHNSON CONDITIONS OF APPROVAL, IF ANY	TITLE ADM-MINERALS	DEC 1 9 1984
1/2/2 A		

U. ELMTET				
UNELATER JETATE B JET. CELK AGENUM	ITED STATES	SUBMIT IN TRIPLICATE		ed. au No. 42-R1424.
DEPARTME	NT OF THE INTERI	OR (Other instructions on re	5. LEASE DESIGNATION	
GEO	LOGICAL SURVEY		14-20-02564	
SUNDRY NOTICE (Do not use this form for proposals to use "APPLICATIO")	S AND REPORTS C	ON WELLS	,	. Brown et a
1.		JUL 15 1981	7. UNIT AGREEMENT NA	
OIL GAS WELL OTHER		ODE AC	None	
2. NAME OF OPERATOR		Billings, Montana	8. FARM OR LEASE NAM	
JUNIPER PETROLEUM CORPORAT	<u> LION </u>		Allotted 304	17
1660 Lincoln St Ste 24 LOCATION OF WELL (Report location clear): See also space 17 below.)	Denver, Colora and in accordance with any	do 80264 State requirements.*	1-21 10. FIELD AND POOL, O	R WILDCAT
At surface			S. W. Poplar	
1980 FSL & 1980 FEL Sec.		PM	11. SEC., T., R., M., OB I SURVEY OR AREA	3LK, AND
Roosevelt County, Montana	ì		Sec. 21, T28	3N, R51E
14. PERMIT NO. 15	ELEVATIONS (Show whether DF.	RT, GR, etc.)	12. COUNTY OR PARISH	1
59261	2061_GL		Roosevelt	Montana
16. Check Appro	priate Box To Indicate N	ature of Notice, Report, or G	Other Data	
NOTICE OF INTENTION	т0:	SUBSEQ	UENT REPORT OF:	
FRACTURE TREAT MULT SHOOT OR ACIDIZE ABANG	OR ALTER CASING IPLE COMPLETE DON* GE PLANS	WATER SHUT-OFF FRACTURE TREATMENT SHOOTING OR ACIDIZING (Other)	REPAIRING CA	ASING NT*
(Other) 17. DESCRIBE PROPOSED OR COMPLETED OPERATION		Completion or Recomp	s of multiple completion pletion Report and Log for	rm.)
Proposed work. If well is directionally nent to this work.) Propose to plug & Abandor 1. Set Wireline cast iro to plug Charles C-2, 2. Load hole with brine 3. Cut of 2 5/8" and 5 1	n subject well due on bridge plug at ! Perfs: 5902-5918. and set 10 sxs su	to low productivity 5800' KB with 2 sxs o	as follows: cement on top	and zodes perti-
restore to original c		prow rever, werd on	prace and	
18. I hereby certify that the foregoing is true	and correct			
SIGNED CANNON MELTZGERALM	TITLE Dree	oduction-Engineer	ратвјију	<u>/ 13, 1981</u>
(This space for Federal or State office de	ē) /	•		-/01
APPROVED BY	TITLE ACTION	NG DISTRICT SUPERVISO	DATE	3/8/_

*See Instructions on Reverse Side

SUBMIT IN DUPLICATE. UNITED STATES DEPARTMENT OF THE INTERIOR

(See other instructions on reverse side)

Form approved. Budget Bureau No. 42-R355.5.

5. LEASE DESIGNATION AND SERIAL NO.

GEOLOGICAL SURVEY 14-20-0256-4750 6. IF INDIAN. ALLOTTEE OR TRIBE NAME WELL COMPLETION OR RECOMPLETION REPORT AND LOG* Lewellyn L. Brown et al Grological Survey 1a. TYPE OF WELL: WELL X 7. UNIT AGREEMENT NAME b. TYPE OF COMPLETION: None WORK OVER PLUG E DIFF. NEW D S. FARM OR LEASE NAME resvr. Other Allotted 3047 2 NAME OF OPERATOR 9 WELL NO. Juniper Petroleum Corporation Billings, Andreas 1-21 3. ADDRESS OF OPERATOR 1660 Lincoln St., Ste. 2410, Denver, Colorado 80264 10. FIELD AND POOL, OR WILDCAT 4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements). S. W. Poplar At surface 11. SEC., T., R., M., OR BLOCK AND SURVEY OR AREA 1980 FSL & 1980 FEL Sec. 21, T28N, R51E, MPM At top prod. Interval reported below Roosevelt Co., Montana Sec. 21, T28N, R51E At total depth 12. COUNTY OR PARISH 13. STATE 14. PERMIT NO. DATE ISSUED March 5, 1980 Roosevelt Montana 59261 10. ELEV. CASINGHEAD 15. DATE SPUDDED 16. DATE T.D. REACHED 17. DATE COMPL. (Ready to prod.) 18. ELEVATIONS (DP. RKB. RT. GR. ETC.) * 3/15/80 3/30/80 6/13/80 2061 GR 2061 CABLE TOOLS 22. IF MULTIPLE COMPL., ROTARY TOOLS 20. TOTAL DEPTH, MD & TVD 23. INTERVALS 21. PLUG, BACK T.D., MD & TVD HOW MANY DRILLED BY 5929 0-5966 WAS DIRECTIONAL 24. PRODUCING INTERVAL(S), OF THIS COMPLETION-TOP, BOTTOM, NAME (MD AND TVD) SURVEY MADE 5902-5918, Charles C-2 Zone, Mississippian 27. WAS WELL CORED 26. TYPE ELECTRIC AND OTHER LOGS RUN Dual Laterlog, GR/CNL/FDC NO 28. CASING RECORD (Report all strings set in well) WEIGHT, LB./FT. HOLE SIZE CEMENTING RECORD CASING SIZE DEPTH SET (MD) AMOUNT PULLED 3/4" 8 5/8" 24# 1409 -13 1025 sxs Circ. to sfc. 5 172" 5966 778 T50 sxs 17# TUBING RECORD LINER RECORD 29. 30. SIZE TOP (MD) BOTTOM (MD) SACKS CEMENT SCREEN (MD) SIZE DEPTH SET (MD) PACKER SET (MD) 2 7/8 5751 31. PERFORATION RECORD (Interval, size and number) ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC. AMOUNT AND RIND OF MATERIAL USED DEPTH INTERVAL (MD) 5902-5918, 4 jets per ft., 23 gram charges 2300 gals of 15% HCL (Acidized) 5902-5918 6000 gals 28% HCL & 400 gals gel wtr. 10000 gals 15% HCL (Acid frac. 33.* PRODUCTION WELL STATUS (Producing or DATE FIRST PRODUCTION PRODUCTION METHOD (Flowing, gas lift, pumping-size and type of pump) Shut IN (part'd rods) Pumping 1 1/2" X 8' 6/13/80 DATE OF TEST HOURS TESTED CHOKE SIZE PROD'N. FOR OIL-BBL. GAS--MCF. WATER--BAL. GAS-OIL BATIO TEST PERIOD 6/13/80 24 6 1/2 98 0 FLOW. TUBING PRESS. CASING PRESSURE CALCULATED GAS-MCF. OIL GRAVITY-API (CORR.) OIL-BBL. WATER-BRL. 24-HOUR BATE 37.50 @ 65°F 34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.) TEST WITNESSED BY 35. LIST OF ATTACHMENTS 36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records TITLE Staff Petroleum Engineer 10/3/80 Bruge M. Patterson SIGNED .

*(See Instructions and Spaces for Additional Data on Reverse Side)

Form 9-231 (May 1963)

ENVIRONMENTAL PROTECTION AGENCY

A TOTAL OFFICE

WATER SHUT-OFF

UNITED STATES	SUBMIT IN TRIPLICATE
DEPARTMENT OF THE INTERIOR	Other Instructions on r

GEOLOGICAL SURVEY

MIT IN TRIPLICATE.	1 BUDGET KUFERU NO 42K142-
Astoc 2 1998 ou re-	5. LEASE DESIGNATION AND SERIAL NO.

SUBSECUENT REPORT OF:

ΞĐ	H	$\mathbf{4-A=0}$	1 224 5	<u>رأ شا</u>	<u> 20 - (</u>	:45k.
6.	IF	INDIAN.	ALLOTTEE	OR	TRIBE	NAME

REPAIRING WELL

B	L	M-A-0	12245	وأشار	<u> </u>	125k	4043
•	IF	INDIAN,	ALLOTTEE	OR	TRIBE	NAME	ino

SUNDRY NOTICES AND (Do not use this form for proposals to drill or Use "APPLICATION FOR PE	to deepen 14 pag Gestor different reservoir.	Assiniboine Souix
OIL XX GAS WELL OTHER	RECEIVED	7. UNIT AGREEMENT NAME
2. NAME OF OPERATOR	SEP 33 1976	S. FARM OR LEASE NAME
Murphy Oil Corporation	Billings, Montana	East Poplar Unit
P.O. Box 547, Poplar, Montana Location of Well (Report location clearly and in ac See also space 17 below.) At surface 1980 from the North line and 1	59255 coordance with any State requirements.*	9. WELL NO. No. 26 10. FIELD AND POOL, OR WILDCAT East Poplar Unit 1E-3555, T. B., M., OR BLE. AND SUBVEY OR ABEA SW NE Section 23,
	IS (Show whether DP, RT, GR, etc.)	T28N, R51E 12. COUNTY OR PARISH 13. STATE ROOSEVELT MONTANA
16. Check Appropriate Bo	x To Indicate Nature of Notice, Report, c	

MULTIPLE COMPLETE FRACTURE TREATMENT ALTERING CASING SHOOT OR ACIDIZE ABANDON* SHOOTING OR ACIDIZING ABANDONMENT* REPAIR WELL CHANGE PLANS (Other) (Note: Report results of multiple completion on Weil Completion or Recompletion Report and Log form.) (Other)

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)

This well was plugged and abandoned as follows:

NOTICE OF INTENTION TO:

TEST WATER SHUT-OFF

FRACTURE TREAT

A bridge plug was set at 4700' with a 10' cement plug on top. The casing was cut off at approximately 2009' and a 50 sack cement plug set at the top of the casing stub. A 100' cement plug was set at the bottom of the 9-5/8" surface casing, 50' in and 50' out. A 10' cement plug was set at the top of the surface pipe. The surface casing will be cut off 4' below ground level and a steel cap welded on top of the 9-5/8" casing. No dry hole marker is to be erected.

Surface restoration will be completed by November 1, 1976.

PULL OR ALTER CASING

Proprietary/Confidential Information U. S. Govit Use Chi.

18. I hereby certify that the foregoing is true and correct SIGNED District Superintendent	DATE September 28, 1976
ADM MINERALS APPROVED BY CONDITIONS OF APPROVAL, IF ANY:	DEC 1 9 1984
F ME	

Form 9-331 (May 1963)

UNITED STATES DEPARTMENT OF THE INTERIOR

SUBMIT IN TRIPLICATE. (Other instructions on reverse side)

Form approved.

Budget Bureau No. 42 R1424

DEPARTMENT OF THE INTERIOR Verse side)	O. CEASE DESIGNATION AND SERIAL NO.
GEOLOGICAL SURVEY	BLM-A-012245
SUNDRY NOTICES AND REPORTS ON WELL Scal Survey (Do not use this form for proposals to drill or to deepen or plug back to a different reservoir. Use "APPLICATION FOR PERMIT—" for such tree and the property of the control of the co	6. IF INDIAN, ALLOTTEE OR TRIBE NAME Assiniboine Souix
1. OIL GAS T	7. UNIT AGREEMENT NAME
OIL X WELL OTHER JUL 29 1976 2. NAME OF OPERATOR	S. FARM OR LEASE NAME
Murphy 011 Corporation Billings, Montana	East Poplar Unit
3. ADDRESS OF OPERATOR	9. WELL NO.
P.O. Box 547, Poplar, Montane 59255 4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.* See also space 17 below.) At surface	No. 26 10. FIELD AND POOL, OR WILDCAT
1980' from the North line and 1980' from the East line	East Poplar Unit 11. SEC. T. R., M., OR BLK. AND SURVEY OR AREA SW NE Section 23, T28N, R51E 12. COUNTY OR PARISH 13. STATE
14. PERMIT NO. 15. ELEVATIONS (Show whether DF, RT, GR, etc.)	12. COUNTY OR PARISH 13. STATE
2181 ' G;L;	Roosevelt Montana
16. Check Appropriate Box To Indicate Nature of Notice, Report, or C	Other Data UENT REPORT OF:
TEST WATER SHUT-OFF . PULL OR ALTER CASING WATER SHUT-OFF	REPAIRING WELL
PRACTURE TREAT MULTIPLE COMPLETE FRACTURE TREATMENT	ALTERING CASING
SHOOT OR ACIDIZE REPAIR WELL CHANGE PLANS (Other)	ABANDONMENT*
(Note: Report results	of multiple completion on Well letion Report and Log form.)
17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates proposed work. If well is directionally drilled, give subsurface locations and measured and true vertice nent to this work.) It is proposed to plug and abandon this well as follows: Set a bridge plug with wireline at 4700° with a 100° cement pl	al depths for all markers and zones perti-
Cut 5-1/2" casing off at approximately 3600' and set a 50 sack of casing stub.	cement plug at top
Set a 100' cement plug at the top of the Dakota Sand, 3202'.	
Set a 100' cement plug (50' in and 50' out) at bottom of 9-5/8	" surface casing.
Set a 10' cement plug at top of surface casing. The surface c 4' below ground level and a steel cap welded on top of the 9-5	asing will be cut off /8" casing.
No dry hole marker is to be erected.	•
· ·	•
	:

SIGNED ORIGINAL SIGNED BY

SIGNED ORIGINAL SIGNED BY

GILLY G. MELEAR

(This space for Federal or State office use)

APPROVED BY

CONDITIONS OF APPROVAL, IF ANY:

TITLE District Superintendent DATE July 27, 1976

TITLE DISTRICT FAGINESR

DATE 9-3-76

	Budget Bureau Approval expire		
'n	ffice	 	

Form 9-881a (Feb. 1981) R51E Х T28N

... (SUBMIT IN TRIPLICATE)

UNITED STATES DEPARTMENT OF THE INTERIOR

Lass No. .. BLM-A-012245 Unit East Poplar

	GEOLOGICAL SURVEY	Ref 26
SUNDRY NOTIC	CES AND REPORTS	ON WELLS
NOTICE OF INTENTION TO DRILL	SUBSEQUENT REPORT OF SUPPLEMENTARY WELL HIS	WATER SHUT-OFF
(INDICATE ABOVE BY C	HECK MARK NATURE OF REPORT, NOTICE, OR	OTHER DATA)
(H Sec. and Sec. No.) (Twp.) East Poplar Roos (Field) The elevation of the derrick floor abov (State names of and expected depths to objective sand ing point EPU #26 has been temporarily aband limits. Casing will not be pulled	ft. from \(\begin{align*}{c}	Montana (State or Territory) PY RETAINED DISTRICT OFFICE ed casings; indicate mudding jobs, coment- epletion below economical arther evaluation studies
are made to determine possible use Completions have been attempted &::		
5899-5908.5 (Completion) 113, 5637-5638 (WO #1) None 5626-5631 (WO #1) None 5625-5630 (WO #1) None	:	Status Depleted & squeezed (WO #1) Squeezed (WO #1) Squeezed (WO #1) Squeezed (WO #2) Depleted & Temp. Abandoned

Company Murphy Corporation 25	1963
Address P. O. Box 547 Approved Poplar, Montana Military Engineer	den
Willey W Engineer	P 171 4 6
Poplar, Montana Land	By /11/1 (31/1/07
	Title field Production Supt.
	GPO 8 6 20 40

Budget B	ureau	No.	42-R359.	
Approval				

For (A	m 9-3 pril 193	31 b	U.	S. GEOLOGICAL SURVEY
-				RECEIVED
i.	2	×	4	JAN 1 7 1962 PART
Prople		1	()	
Aut.	130			BILLINGS, MONTANA

T28N

IBMIT IN TRIPLICATE)
UNITED STATES
IENT OF THE INTERIOR
EOLOGICAL SURVEY

Indian Age	ncy	Pt	De	ck	-
*					
Allottee					
Lease No	BLN	1-A-	012	224	5
14 1	3.1	Re	į.	2	6

SUNDRY NOTICES AND REPORTS ON WELLS

OF INTENTION TO DRILL SUBSEQUENT REPORT OF WATER SHUT-OFF SUBSEQUENT REPORT OF SHOOTING OR ALL SUBSEQUENT REPORT OF SHOOTING CASIN	CIDIZING
OF INTENTION TO TEST WATER SHUT-OFF. OF INTENTION TO REDRILL OR REPAIR WELL OF INTENTION TO SHOOT OR ACIDIZE OF INTENTION TO PULL OR ALTER CASING SUBSEQUENT REPORT OF ABANDON WELL SUBSEQ	GICAL SURVEY
of Intention to ABANDON WELL Squeeze XX JAN 1	9-1000
January C4SPER, WY 26 is located 1980ft, from I line and 1980ft, from E	
VE Section 23 28 N 51 E	and 1980 ft. from E

The elevation of the derrick floor above sea level is _2194 ft.

COPY RETAINED DISTRICT OFFICE

DETAILS OF WORK

(State names of and expected depths to objective sands; show sizes, weights, and lengths of proposed casings; indicate mudding jobs, cementing points, and all other important proposed work)

Set C. I. cement retainer at 5660 on W. L. Squeeze casing leak and C-Zone perforations w/100 sks. cement. Perforate the A-4 5637 . Acidize w/1000 gal. through C.I. cement retaining block. Squeeze w/40 sks. Latex cement. Pressure test squeeze. Perforate the top the the A-4 Zone 5626-31 . Swab test through retrievable packer, and acidize with 500 gal., if needed.

Approved

Approved

Aillary a. Oden

District Engineer

Company	Murphy Corporation
Address	P.O. Box 547
	Poplar, Montana By My fames
27.7	
	Title Field Production Supt.

MURPHY X REPOZE

Form No. 2 GENERAL RULES 201, 202, 213, 216, 219, 233.1

(SUBMIT IN QUADRUPLICATE) TO

NOTICE
THIS FORM BECOMES A
PERMIT WHEN STAMPED
APPROVED BY AN AGENT
OF THE COMMISSION.

OIL AND GAS CONSERVATION COMMISSION OF THE STATE OF MONTANA BILLINGS OR SHELBY

SUNDRY NOTICES AND REPORT OF WELLS.

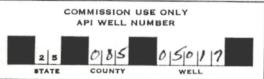
Notice of Intention to Drill	Subsequent Report of Water Shut-off
Notice of Intention to Change Plans	Subsequent Report of Shooting, Acidizing, Cementing
Notice of Intention to Test Water Shut-off	Subsequent Report, of Altering Casing
Notice of Intention to Redrill or Repair Well	Subsequent Report of Redrilling or Repair
Notice of Intention to Shoot, Acidize, or Cement	Subsequent Report of Abandonment toxue
Notice of Intention to Pull or Alter Casing	Supplementary Well History 81 /19
Notice of Intention to Abandon Well	Report of Fracturing

(Indica	e Above by Check Mark Nature o	f Report, Notice, or O	ther Data)	
		***************************************	September	28 , 1976
Following is a XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX	ne on land XXX			
		LEASE	East Poplar	Unit No. 26 /
MONTANA	Roosevel	t Ea	ast Poplar Uni	t
(State)	(Cou	nty)		(Field)
Well No. 26 SW	NE Section 23,	T28N (Township)	R51E (Range)	MPM (Meridian)
The well is located 1980	t. from XXXX line and 1	980 ft. from }	E line of Sec	23
LOCATE ACCURATÉLY ON PLAT	ON BACK OF THIS FORM T	HE WELL LOCATIO	ON, AND SHOW L	EASE BOUNDARY
The elevation of the derrick floor a				_
READ CAREFULLY	DETAILS OF PLAN		R	EAD CAREFULLY
(State names of and expected depths cementing points, and all other important	to objective sands; show size, we proposed work, particularly all det	ights, and lengths of ails results Shooting, A	proposed casings; in cidizing, Fracturing.)	dicate mudding jobs,
	DETAILS OF Y			
This well was plugged an	d abandoned as follows	:		
A bridge plug was set at	4700' with a 10' ceme	nt plug on top.	The casing	was cut

A bridge plug was set at 4700' with a 10' cement plug on top. The casing was cut off at approximately 2009' and a 50 sack cement plug set at the top of the casing stub. A 100' cement plug was set at the bottom of the 9-5/8" surface casing, 50' in and 50' out. A 10' cement plug was set at the top of the surface pipe. The surface casing will be cut off 4' below ground level and a steel cap welded on top of the 9-5/8" casing. No dry hole marker is to be erected.

Surface restoration will be completed by November 1,1976.

LOCATION INSPECTED & APPROVED.	
Approved subject to conditions on reverse of form	Company Murphy 011 Corporation
Date OCT 1 6 1984	By Biller D. milear
By Blace Hangley XVI	Title District Superintendent
District Office Agent / Title	Address P.O. Box 547, Poplar, Montana 59255



NOTE:-Reports on this form to be submitted to the District Agent for Approval in Quadruplicate

WHEN USED AS PERMIT TO DRILL, THIS EXPIRES 90 DAYS FROM DATE OF APPROVAL.

Locate well by footage measurement from legal subdivision line, lease or property line and nearest drilling or producible well, if any.

Form No. 2 File at Billings or Shelby	Rge		Form No. 2 File at Billings or Shelby
Locate Well Correctly			Locate Lease Boundary
Twp,			
- ·	SCALE_	-1"=2000°	

THE NOTICE OF INTENTION TO DRILL THIS WELL IS APPROVED SUBJECT TO THE FOLLOWING CONDITIONS:

- 1. Any person, before commencing the drilling of any oil or gas well, shall secure from the commission a drilling permit and shall pay to the commission therefor for the following amounts: for each well whose estimated depth is thirty-five hundred (3,500) feet or less, twenty-five dollars (\$25,00); from thirty-five hundred and one (3,501) feet to seven thousand (7,000) feet, seventy-five dollars (\$75,00); seven thousand (7,000) feet and deeper, one hundred fifty dollars (\$150,00).
- 2. No well is to be spudded in unless the proper surety drilling bond has been posted and approved by the Oil and Gas Conservation Commission of the State of Montana.
- 3. Cable tool operators must construct an adequate sump to contain all mud and water bailed from the hole.
- 4. Surface or conductor casing must be properly cemented by an approved method to act as a tie in case an unexpected flow of oil, gas, or water should be encountered, unless special permission has been granted for formation shut-off.
- 5. Any contemplated change in status of a well such as to plug and abandon, deepen, plug back, redrill, alter casing, etc., must be presented on Sundry Notices and Report of Wells form for approval by agent prior to commencement of work.
- 6. All substantial showings of oil or gas must be tested for commercial possibilities before drilling ahead. Each such showing must be adequately protected by easing, mud or cement, as drilling progresses.
- 7. The production string must be cemented unless a formation shut-off or packer is approved by the agent. Sufficient cement must be used to protect the easing and possible productive formation exposed in the process of drilling not otherwise protected.
- 8. All production strings of casing must be tested by bailing or pressure to determine if there is a light bond with the formation or possible leaks in the casing. The results of the test must be reported on Sundry Notices and Report of Wells form, said report to include the size, weight, thread and length of casing, amount of cement used, and date work is done. If test shows failure, the defect must be corrected before any drilling operations are resumed.
- 9. A satisfactory drilling record must be kept for each tour, showing top and thickness of each and all formations drilled and all other information of value, one copy of which is to be kept at the rig while drilling is in progress for examination when an agent visits the well.
- 10. All producing wells must be marked with name of the operator, number of the well, and location, using reasonable precautions to preserve these markings at all times.
- 11. Copies of all directional surveys, electrical logs, or tops from electrical log if electric survey is run, formation tests, and cementing record, as furnished by the cementing company, etc., must be filed with the State Inspector of the district together with four copies of the log, upon completion of the well.
- 12. All work must be done in conformity with the regulations of the Oil & Gas Conservation Commission of the State of Montana, as contained in "General Rules and Regulations," and amendments thereto, as well as regulations prescribed in lieu thereof.

HISTORY COMPLETION

E.P.U. NO. 26

July 8, 1953; Drilling at 50 feet. Smulded at 3:00 A.M. 8-8-53.

July 10, 1953; 1021'. W.O.C. Ram 25 joints (1001.55') 9 5/8 ", 36#, J-55, 36#, 8 rd. thd., R-3 Class A Spang Casing. Landed 13' below RKB with Larkin Float Shoe at 1014'.55' 2 Baker Centralizers at 770 feet & 99h feet. 3 %W Multi Flex scratchers at 830 feet to 900 feet and 950 feet. Cemented with h00 sacks, Atlas Bulk cement. Bumped plug with 1000#; Released pressure. Held okay. Circulated clean cement to surface. Plug down at 9:00 P.M., 7-10-53.

July 29, 1953; D.S.T. No. 1 with Johnston tool. 5620' to 5629', straddle packers, but tom choke, no W.C. Open tool at 5:47 P.M. for 4 hours, closed 20 minutes. Open with good blow (bottom 5 gal. bucket 4 minutes) good blow throughout test. Gas to surface 2 3/4 hours. Reversed out 1400' clean oil, 2500' salty sulphur water with good show of oil, 1407' salty sulphur water with tradecof. oil, Chloride 97,000 PPM. I MFF-250#, FBHFF-2300#, BHSIF-2900#, Hydro. 3250#.

August 1, 1953; 5788 feet. D.S.T. No. 2 with Johnston. 5750 to 5773. Straddle mackers, inch bottom choke, no water cushion. Open tool at 11:20 A.M. for 2 hours. Closed 20 minutes. Tool open with fair blow (bottom 5 gal. bucket 8 minutes) increased to good blow 10 minutes, continued rest of test. Recovered 279 feet muddy salt sulphur water with trace of oil. 651 feet salty sulphur water with trace of oil. 1570 feet salt sulphur water. Chl. 95,000 PPM. IBHFP-0, FBHFF-1200, BHSIF-2800%, Hydro-3300. Bottom packer held okay. D.S.T. No. 3 with Johnston. 5731 to 5744, 3 inch bottom choke, no water cushion. Open tool at 4:05 A.M. for 4 hours. Closed 20 minutes. Tool open with weak blow (under 3 inches water). Gas 1828 from surface. Recovered 62 feet clean oil. 93 feet muddy salt sulphur water with trace of oil. 121 feet salty sulphur water. Chl. 65,000 PPM. No flow pressure. Clock stopped. BHSIF-2600%, Hydro-3300%. Going in hole with bit.

August 4, 1953; 5943 feet Schlumberger. 5935 feet driller. Freparing to rum casing. D. D.T. No. 4 with Johnston. 5688 feet to 5919 feet with straddle packers, ½ inch bottom choke, no water cushion. Open tool at 1:10 P.M., 8-3-53, for 4 hours. Closed 30 minutes. Tool open with fair blow (5 inches water in 10 minutes) throughout test. Gas 4773 feet down. Recovered 837 feet oil and gas cut mud. Abundance of oil, not salty to taste. 279 feet oil and gas cut mud with salty taste. Filtrate Chloride 20,000 PPM. ESHFP-50# FSHFR-450# SHSIP-3050#. Bottom packer leaked down to 2200#. Apparent through small fractures.

August 5, 1953; 5943 feet. W.O.C. Ran 190 joints (5927.90') 5½ inch, 15.50%, J-55, 8 rd. thd., R-2 Class "A" Youngstown casing; landed 12.10 feet below RKB with Larkin float shoe at 5940 feet, Larkin float collar 5905.15 feet. Four Larkin centralizers at 5592', 5687', 5849', and 5928'. 120 feet Howco Roto-wall scratchers 5599'-55111'; 5'20'-5635'; 5722'-5737'; 5713'-5753'; 5761'-5781'; 5879'-5899'; 5911'-5926'; 5929'-5930'. Cemented with 250 sacks, 50% Pozmix, 50% Regular Ideal cement, with 2% Jel. Bumped plug with 1000%. Released pressure, held okay. Plug down 10:18 P.M., 8-4-53. Unable to rotate pipe, stuck after checking bottom. Note pipe set on Schlumberger measurement. Casing T.D., checked 5935 feet.

August 8, 1953; 5932 Lane Well. Drilled plug float collar at 5902 tubing measure. Drilled out cement to 5930. Tubing equals 5932 Lane Wells. Ran Gamma Ray Neutron and Collar Log. Perforated C zone 5899 to 5908.5 with h jet shots per foot shot on Lane Wells measure. Ran 193 joints (5884.53) 2 3/8 inch, EUE, h.70%, J-55, 8 rd. thd., R-2 Class A American Tubing with 3.h2 perforation, nipple bull plugged. Landed 10.10° below RKB. Top joint tubing 31.29, 192 joints tubing (5853.2h). Perforated. Nipple bull plugged 3.h2. Bottom of tubing 5898.05. Displaced mud with water, water with oil, open to test tank 1:00 A.M. to 5:00 A.M. Flowed 9 barrels displacement oil. TSIP-875. Acidized C zone 5899 to 5908.5 with 1000 gallons, 15 percent Regular Dowell acid. Formation started taking acid at 1800%. Displaced 5 barrels per minute at 2000%. Bled down to 800% and open to pit at 5:56 A.M. Flowed spent acid to surface 8 minutes. Fresh oil 2h minutes. Open to test tank 6:55 A.M., h0% water. Chl. 4,500 FPM. 8-8-53, h5 minutes test open flow, 55.50 barrels fluid, 30%. I hour test, 1h/6h choke, 30.00 barrels fluid, 25 % water. Chl. 5,800 FPM., TFP-h50, CP-550. Released rig at 9:15 A.M., 8-8-53.

GENERAL RULES 201, 202, 213, 216, 219, 233.1

(SUBMIT IN QUADRUPLICATE)

ro

OIL AND GAS CONSERVATION COMMISSION OF THE STATE OF MONTANA BILLINGS OR SHELBY

NOTICE!
THIS FORM BECOMES A
HERMIT WHEN STAMPED
APPROVED BY AN ACENT
OF THE COMMESSION.

APR 1 0 1962

SUNDRY NOTICES AND REPORT OF WELLS AND GAS GUASERVATION O

	OF THE STATE OF TH
Notice of Intention to Drill	Subsequent Report of Water Shut-off
Notice of Intention to Change Plans	Subsequent Report of Shooting, Acidizing, Cementing
Notice of Intention to Test Water Shut-off	Subsequent Report of Altering Casing
Notice of Intention to Redrill or Repair Well	Subsequent Report of Redrilling or Repair
Notice of Intention to Shoot, Acidize, or Cement	Subsequent Report of Abandonment
Notice of Intention to Pull or Alter Casing	Supplementary Well History
Notice of Intention to Abandon Well	Report of Fracturing
	Workover History #2 XX

		I		······································	
	Notice of Intention to Shoot, Acidize, or Cement		Subsequent Report of At	andonment	
	Notice of Intention to Pull or Alter Casing	l	Supplementary Well Hist	огу	
	Notice of Intention to Abandon Well		Report of Fracturing		
			Workover Histor	y #2	XX
	(Indicate Above by Check	Mark Na	ture of Report, Notice, or (
			As	r11 3	19.62
Follo	wing is a report of work done on	land {	ossmedx described as	follows:	•
	((·		BLM-A-012245	
	MONTANA	g	oogaval t	Tea+	Poplar
**********	(State)		(County)		
Well	No. 26 C SW NE Section (m. sec.)	1 <u>23</u>	28N (Township)	51E (Range)	M.P.M.
	well is located				
(L	ocate accurately on Plat on back of this form the well is	cation, a	nd show lease boundary.)		
The.e	elevation of the derrick floor above the sea leve	el is	2194 K.B.	······	•
(SI	tate names of and expected depths to objective sands; she	ow size, v	PLAN OF WORK	osed ensings; indicate mudd	D CAREFULLY
points,	and all other important proposed work, particularly all			Fracturing.)	
	DI		OF WORK SULT	RECEI	VED
	See	Attac	hed Sheets	APR 5	1962
,				OIL AND GAS CONSERVA OF THE STATE OF MOR	MOISSIMMOS MOLTA
				• •	
	•				
(,)	Strawl 4-5-67		.,		
Appro	oved subject to conditions on reverse of form		nny	hy Corporation	•••••••••••••••••••••••••••••••••••••••
Date	Studesty Sud		Title Fiel	d Production Supe	rintendent
X	Title		Address P/C	Box. 547, Poplar	. Montana
	District Office Agent		Address	4A.H.B.II.A.II.A.II.A.II.A.II.A.	**************************************

NOTE:-Reports on this Form to be submitted to the District Agent for Approval in Quadruplicate.

Locate well by tage measurement from legal subdivision has, lease or property line and nearest drilling or producible well, if any.

File: at Billings or Shelby Locate Well Correctly	Form No. 2
Locate Well Correctly	File at Billings or Shelby
Well Correctly	
	Locate Lease
	Boundary
тwр 28N	
	•
SCALE—1"=2000'	

THE NOTICE OF INTENTION TO DRILL THIS WELL IS APPROVED SUBJECT TO THE FOLLOWING CONDITIONS:

- 1. Any person, before commencing the drilling of any oil or gas well, shall secure from the commission a drilling permit and shall pay to the commission therefor for the following amounts: for each well whose estimated depth is thirty-five hundred (3500) feet or less, twenty-five dollars (\$25.00); from thirty-five hundred and one (3501) feet to seven thousand (7000) feet, seventy-five dollars (\$75.00); seven thousand (7000) feet and deeper, one hundred fifty dollars (\$150.00).
- 2. No well is to be spudded in unless the proper surety drilling bond has been posted and approved by the Oil and Gas Conservation Commission of the State of Montana.
- 3. Cable tool operators must construct an adequate sump to contain all mud and water bailed from the hole.
- 4. Surface or conductor casing must be properly cemented by an approved method to not as a tie in case an unexpected flow of oil, gas, or water should be encountered, unless special permission has been granted for formation shut-off.
- 5. Any contemplated change in status of a well such as to plug and abandon, deepen, plug back, redrill, alter casing, etc., must be presented on Sundry Notices and Report of Wells form for approval by agent prior to commencement of work.
- 6. All substantial showings of oil or gas must be tested for commercial possibilities before drilling ahead. Each such showing must be adequately protected by easing, mud or cement, as drilling progresses.
- 7. The production string must be cemented unless a formation shut-off or packer is approved by the agent. Sufficient cement must be used to protect the easing and possible productive formation exposed in the process of drilling not otherwise protected.
- 8. All production strings of easing must be tested by balling or pressure to determine if there is a tight bond with the formation or possible leaks in the easing. The results of the test must be reported on Sundry Notices and Report of Wells form, said report to include the size, weight, thread and length of easing, amount of cement used, and date work is done. If test shows failure, the defect must be corrected before any drilling operations are resumed.
- 9. A satisfactory drilling record must be kept for each tour, showing top and thickness of each and all formations drilled and all other information of value, one copy of which is to be kept at the rig while drilling is in progress for examination when an agent visits the well.
- 10. All producing wells must be marked with name of the operator, number of the well, and location, using reasonable precautions to preserve these markings at all times.
- 11. Copies of all directional surveys, electrical logs, or tops from electrical log if electric survey is run, formation tests, and cementing record, as furnished by the cementing company, etc., must be filed with the State Inspector of the district together with four copies of the log, upon completion of the well.
- 12. All work must be done in conformity with the regulations of the Oil & Gas Conservation Commission of the State of Montana, as contained in "General Rules and Regulations," and amendments thereto, as well as regulations prescribed in lieu thereof.

Lease & Well No.	East Foplar	Unit Well No.	26	-	\$1.7ma
Field East Poplar	County _	Roosevelt	State _	Montana	rja 200
Well Location	C SW NR Sect	ion 23, T28N, R	51E		-
Status Prior to Presen	t Job:		•		
Date Completed Augus	t 8, 1953 D	ate Last Workov	er <u>Febru</u>	ary 14, 1962	
T.D. 5943' P.B.T.D	. <u>5634</u> P	roducing Zone _	A Zone of	Madison Formatio	<u>Din</u>
Latest Test Shut-In	- Swabbed 96	BFPD, 99% water			MED

Justification for Workover:

APR 1 0 1962

To test the A-3 zone.

AL ALD GAS CURSERVATION COMMISSION OF THE STATE OF MONTANA

Summary of Workever:

- 3.15-62 5634' PRTD. MY and RU plg unit. Press cag to 1500#. Broke form w/ 1100#. Sqzd w/40 axa of Latex cent w/HR-4 added. Sptd cmt down tbg. Stung into retainer at 5622'. Press cag to 1500#. Max aqz press 3700# w/30 axa in form. Rel to pmp truck, bled .5 bbls. Re-press to 3700# w/.5 bbls. Rev out 10 axa of cmt. Pld tbg out of hole.

 (A zone BMP after shut in approx 2 weeks at datum ~ 3600' 2809 psi which is normal A zone BMP.)
- 5620' PBTD. Tetd sqz job to 1500#, held ok. Perf A zone 5608' to 3-16-62 5613' w/Lane-Wells N.C.F. II csg gun, 4 shors per ft. Ran Baker Model "R" pkr on thg. Set pkr at 5604' swb down. First hr swbd at rate of 4 BPH; 96 BPPD (67 EWPD 29 BOPD) w/c 70%, chlorides 182,000 ppm. Second hr 2.28 BPH, 55 BPPD (49 BWPD 6 BOPD) w/c 90%. Acidized w/500 gals of Dowell 15% reg acid. Sptd acid down thg. Press cag to 1500#. Press thg to 2000#. Shut down pmp, bled to 400\$. Resume pmpg at rate of 1/4 BPM. Press inc to 2600#, broke to 1000# w/2 bbls in form. Disp acid at rate of .5 BPM. Press dec to 1500# w/all acid in form. Open well to pit. Plwd acid to surf in 41 min. Flwd SW in 55 min. Switch to tst tk. Flud 1 hr on 3/4" chk at rate of 20 BPH, 480 BFPD (471 BWPD 9 BOPD) w/c 98%, chloride 180,000 ppm. Switch to flw line. Flwd to the bat overnight on 7/64 chk.
- 3-17-62 5620° PBTD. Swhd displacement of the to pit. Switched to tet tk. Swhd 1 hr at rate of 33 BPH, 792 BPPD (752 BWPD 40 BOPD) w/c 95%, chlorides 181,000 ppm. Switched to tk bat on 16/64 chk to flw tet. Rig down plg unit.
- 3-18-62 5620' PBTD. No test.
- 3-19-62 5620' PBTD. Flug in tat th at #26, too weak to flw to bat. Flw rate 26/64" chk, open flw, 134 BFPD, 96% w/c (5 BO 129 BW).

Summery of Workover: continued

- 3-20-62 5620' PBTD. 25/64" chk 16 hr tst flwd at rate of 135 BFPD, 96% wtr (6 BO 129 BW). Flwg in tst on location. Chlorides of wtr 162,000 ppm.
- 3-21-62 5620' PBTD. Attempting to flw to tk bat. Tat and pit full SW. 95-96% w/c.
- 3-22-62 5620' PBTD, 26/64" chk, TFP 20#, 188 BFPD, 97% w/c (6 BO 182 BW).
- 3-23-62 5620' PBTD. Flwg open flw. 4 hr tst flwd to tk bat at rate 293 BFPD, 96% w/c (12 BO 281 BW).
- 3-24-62 5620' PETD. Flug to the bat open flw. 24 hr tat 334 BFPD, 96% w/c, (13 BO 321 BW). A zone initial potential, to drop from report.

Recap of Workover:

1. Final Perforations:

A Zone 5608'-5613'

2. Final PBTD:

5620'

3. Initial Potential after Workover: Flug 334 BFPD, 96% w/c (13 BOPD 321 BWPD)

4. Geological name of Producing Zone: A Zone of Madison Formation

5. Downhole Equipment:

1 Baker Model "R" Packer set @ 5604'

Tubing Record

183 Jts 5586'
3 Subs 18'
5604'

REGEIVED

APR 1 0 1962

OIL AND GAS CURSERVATION COMMISSION OF THE STATE OF MONTANA

GENERAL RULES 201, 202, 313, 216, 219, 230, 231, 232



(SUBMIT IN QUADRUPLICATE)

AND OF THE STATE OF MONTHS PARTY OF THE STATE OF BILLINGS OR SHELBY

IDRY NOTICES AND REPORT OF WELLS

Notice of Intention to Drill	_	Subsequent Report of Water Shut-off
Notice of Intention to Change Plans		Subsequent Report of Shooting, Acidizing, Cementing
Notice of Intention to Test Water Shut-off		Subsequent Report of Altering Casing
Notice of Intention to Redrill or Repair Well	_	Subsequent Report of Redrilling or Repair
Notice of Intention to Shoot, Acidize, or Cement	. !	Subsequent Report of Abandonment
Notice of Intention to Pull or Alter Casing		Supplementary Well History
Notice of Intention to Abandon Well	X	Report of Fracturing

August 24 19 76 XXXXXXX (Following is a notice of intention to do work on land described as follows: LEASE East Poplar Unit No. 26 Roosevelt East Poplar UnitMONTANA.....(State) (Field) (Township) (Meridian) LOCATE WELL SITE ACCURATELY ON PLAT ON BACK OF THIS FORM. The elevation of the ground or K.B. above the sea level is ____ 2181' G.L. READ CAREFULLY DETAILS OF PLAN OF WORK READ CAREFULLY

(State names of and expected depths to objective sands; show size, weights, and lengths of proposed casings, cementing points, and all other important proposed work, particularly all details of Shooting, Addizing, Fracturing.)

DETAILS OF WORK RESULT

It is proposed to plug and abandon this well as follows:

Set a bridge plug with wireline at 4700' with a 10' cement plug on top. Cut 5-1/2" casing off at approximately 3600' and set a 50 sack cement plug at top of casing stub.

Set a 100' cement plug at the top of the Dakota Sand, 3202'.

Set a 100' cement plug (50' in and 50' out) at bottom of 9-5/8" surface casing.

Set a 10' cement plug at top of surface casing. The surface casing will be cut off 4' below ground level and a steel cap welded on top of the 9-5/8" casing.

No dry hole marker is to be erected.

Approved subject to conditions on reverse of form
Date SEP 7 1976
By District Office Agent Title
V

Company MURPHY OIL CORPORATION	
By District Superintendent	
Title District Superintendent	
Address P.O. Box 547, Poplar, Montana	59255

STATE	COUNTY	WELL	
2 3			
	API WELL	NOMBER	
	BOARD US		

NOTE:-Reports on this form to be submitted to the appropriate District for approval

Locate well by footage measurement from legal subdivision (Section) line and nearest drilling or producible well, if any.

Form No. 2 File at Billings or Shelby		Rge		Form No. 2 File at Billings or Shelby
Locate Well Correctly			-	
Twp	· · · · · · · · · · · · · · · · · · ·			
•				
		SCALE-	 -1"=2000 [,]	•

THE NOTICE OF INTENTION TO DRILL THIS WELL IS APPROVED SUBJECT TO THE FOLLOWING CONDITIONS:

- 1. Any person, before commencing the drilling of any oil or gas well or water source or injection well shall secure from the Board a drilling permit and shall pay to the Board the following amounts: for each well whose estimated depth is thirty-five hundred (3,500) feet or less, twenty-five dollars (\$25.00); from thirty-five hundred and one (3,501) feet to seven thousand (7,000) feet, seventy-five dollars (\$75.00); seven thousand and one (7,001) feet and deeper, one hundred lifty dollars (\$150.00).
- 2. No well is to be spudded in unless the proper surety drilling bond has been posted and approved by the Board of Oil and Gas Conserva-
 - 3. Cable tool operators must construct an adequate sump to contain all and and water balled from the hole.
- 4. Surface or conductor easing must be properly cemented by an approved method and pressure tested to determine a tight bond with the surrounding formations in case an unexpected flow of oil, gas or water should be encountered; unless special permission has been granted formation shut-off.
- 5. Any production casing must be educated unless a formation shuttoff or packer is approved by the Board, Sufficient cement must be used to protect the casing and all possible productive and fresh water bearing formations exposed in the process of drilling and not otherwise protected.
- 6. All production casing must be tested by bailing or pressure to determine if there is a tight bond with the surrounding formations or possible leaks in the casing. The results of the test must be reported on Form No. 2, said report to include the size, weight, thread and length of casing, amount of cement used, and date work is done. If test shows failure, the detect must be corrected before any drilling operations are resumed.
- 7. Any contemplated change in status of a well such as to plug and abandon, deepen, plug back, redrill, alter casing, etc. must be presented on Form No. 2 for approval by the Board prior to commencement of work.
- 8. A satisfactory drilling record must be kept for each tour, showing top and thickness of each and all formations drilled and all other information of value, one copy of which is to be kept at the rig while drilling is in progress for examination by any authorized agent of the Board.
- 9. All producing wells must be marked with name of the operator, number of the well and location, using reasonable precautions to preserve these markings at all times.
- 10. Delivery to the Board of two copies of all surveys, reports, analyses, logs, tests, samples and core descriptions, etc., as described in Rule 230 and one copy of all cementing records as furnished by the cementing company and described in Rule 234.
- 11. All work must be done in conformity with the regulations of the Board of Oil and Gas Conservation of the State of Montana, as contained in "General Rules and Regulations," and amendments thereto, is well as regulations prescribed in Hen thereof.

Type of R Method of Drilling Co	ig	Opera Lessor Locati Elovat	Section 191	6 Ve / / 50 / / 10 sea les	T28 M	Vell No	
Drilling Co	ommencod ontractor.	1			•••••		
			No. I	De	epened	Amour	nt
No. Days	Water Us	ed		Pu	rnished B	y	
							OE
Length	Size	Foot	at	Mako	Pulled	ength	Make
			PAOKE	RS			
Date	Sizo	8ct	at	Make	How '	l'ested,	Result
						••••••	
		TOR	PEDO R	ECORE	_		
Date	Put ii	n By	Quarts	Ft. of Sh	ell Size		
After 3 mo	ally produ	ction aft bbis.; 6	mos	ysbl b Wa	bls. After (Pum bls.: 1 ye ter cut	shot ped or ar	bbl flowed) bbl
	Date Commence Average d After 3 mc Gravity	Date Size Date Put is Commenced Product After 3 mos	Date Size Wt. per Foot Date Size Set TOR: Date Put in By Commenced Producing	Length Size Wt. per Landed root at Poot at PAOKE Date Size Sct at TORPEDO R Date Put in By Quarts Commenced Producing	PACKERS Date Size Set at Make TORPEDO RECORD Date Put in By Quarts Ft. d Sh Commenced Producing	Length Size Wt. per Landed Make Pulled I Foot at Make Pulled I Foot at Make Pulled I Foot Size Stat Make How TORPEDO RECORD TORPEDO RECORD Date Put in By Quarts Ft. of Shell Size Stat Make II Size I Put I Size Stat Make II Size I Put I Size I Size I Put I Size	Length Size Wt. per Landed at Make Pulled Length PACKERS Date Size Set at Make How Tested, TORPEDO RECORD Date Put in By Quarts Ft. of Shell Size Shot I for the shot of t

HETAINED DIE	Budget Bureau 42-R358.2.
Form 0-881 a (Feb. 1931) RECEIVE (SUBMIT IN TRIE) UNITED ST	Approval expires 12-31-82.
(SUBMIT IN TRIE	LICATE) Land Office Billings
CELL TIMITED ST	ATES Losso NoBLM-A-012245.A
DEPARTMENT OF THE	unitEast Poplar
DEPARTMENBOF	HE INTERIOR
	URVEY
KNA! E WOW	SECTIVED
SUNDRY NOTICES AND R	EPORTS ON WELLS 1953
NOTICE OF INTENTION TO DRILL XXX SUBSE	OUT DEPORT OF WATER CHUT OFF THE OCICLA SUNIVER
	QUENT REPORT OF WATER SHUT-OFF TEN COLO SHOT IN THE PORT OF SHOOTING ON ACIDIZING.
	QUENT REPORT OF ALTERING CASING WILLIAM METAL
1 1	QUENT REPORT OF RE-DRILLING OR REPAIR
NOTICE OF INTENTION TO SHOOT OR ACIDIZE	QUENT REPORT OF ABANDONMENT.
NOTICE OF THE TIME TO DE LE DE LASTE CASING SUPPL	MENTARY WELL HISTORY
NOTICE OF INTERVIEW TO ASSENTION WELL.	······································
THE STATE OF THE S	REPORT, NOTICE, OR OTHER DATA)
CORRESPONDED TO THE SAME SAME SAME SAME SAME SAME SAME SAM	
of the state of montana	June 5 1953
#ILTFINES	,
Well No26 is located 1980. ft. from [N]	c and 1980 ft from E line of sec 23
Well 14020 15 located 1.1300. 1c. 17011.	
C. SW/L NE/L Sec. 23 2811 51E (14 Bec. and Sec. No.) (Twp.) (Range)	811
(14 Bec. and Sec. No.) (Twp.) (Range)	(Meridian)
East Poplar Roosevelt	
(•
The elevation of the derrick floor above sea level is	ft.
DETAILS OF V	NORK .
(State names of and expected depths to objective sands; show sizes, weights,'s	
ing points, and all other imports	
9 5/8 inch surface pipe will be set at 1000. The total depth is expected to be 6000 feet horizon found in the Madison formation. 5½ set at the total depth, cemented with 250 s will be provided and inspected regularly.	so as to evaluate the producing inch production string will be
and the second s	APPROVED AS OF
Approved Shifter the Constitutions shows Sh Revere	Cast -
B B	OIL & GAS SUPERVISOR
JUN 8 - 1953	OIL AND GAS CONSERVATION COMMISSION OF THE STATE OF MONTANA
TREALING DESCRIPTION PROPERTY.	
I understand that this plan of work must receive approval in writing by t	ne Geological Survey before operations may be commenced.
CompanyMurphy Corporation	
AddressBox.76	
Poplar, Montana	By Harald Milan
	Title District Production Supt.

FEDERAL LAND

CONDITIONS OF APPROVAL

- 1. The lessee or operator shall mark the derrick or well in a conspicuous place with the name of the operator, well number, the land office and serial number of the lease, and location of the well and shall take all necessary precautions to preserve these markings.
- 2. A conductor or surface string of casing shall be run and cemented from bottom to surface unless other procedure is expressly authorized by this approval. The conductor or surface string shall be of sufficient weight and length and have installed thereon the proper and necessary high pressure fittings and equipment to keep the well under control in case an unexpected flow of gas, oil or water is encountered.
- possibilities. All showings shall be properly protected by mud, cement, or casing so that each showing will be confined to its original stratum.

 Necessary precautions shall be taken to prevent waste or damage to other minerals drilled through and the U. S. Geological Survey, upon request, shall be furnished with carefully taken samples of such minerals as coal, potash and salt.
- 4. Lessee's Monthly Report of Operations (Form 9-329) shall be filed in duplicate with the office of U. S. Geological Survey, P. O. Box 400, Casper, Wyoming, not later than the sixth of the succeeding month. The report should show for this well any change of status occurring within the particular month such as date drilling commenced, suspended, resumed or completed, total depth as of the end of the month, and if shut down the reason therefor.
- 5. Two copies of the log of this well on Form 9-330, or other acceptable form and when available two copies of all electrical logs, directional, diameter and temperature surveys of the hole shall be filed with the district engineer within 15 days after such information is received by operator on completion of the well whichever is earlier.

Form 9-881 a (Feb. 1951)

(SUBMIT IN TRIPLICATE)

UNITED STATES DEPARTMENT OF THE INTERIOR GEOLOGICAL SURVEY

Land Office B1111ngg
Loase No. BLN-A-012245
Unit Rast Poplar

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S	UNDRY NOT	ICES AN	D REPOR	TS ON Y	VELLS	H C U
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	FION TO SHOOT OR ACIDIZE FION TO PULL OR ALTER CASIF		11	WELL HISTORY		
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	is located 1980	•-		_	XXI	23
Bact Popla	Roos	ovelt	uhdivision)	Hontana	or Territory)	
•	_		•	ν	,	
The elevation o	of the for ab	ove sea level	is2161 ft.			
		DETAILS	OF WORK			
State names of and	expected depths to objective s	iands; show sizes, t oints, and all othe	weights,'and lengths r important proposed	of proposed casings; i work)	indicate mudding j	obs, coment-
ockers, } 1 for h hours. dnutes) thr out mid. Ab of h salty t 1050# Hydro. ractures.	6. DST No. 4 with neh bottom choke, Closed 30 minut coughout test. On audance of oil, naste. Filtrate Closed. Bottom papproved AUG 101 Gilg. Sad.) H. H. PElling.	no water tes. Tool as 1773 fee not salty t Chloride 20 packer leak	cushion. Or open with fat down. Reco taste. 27,000 PPH. I	cen tool at air blow (5 covered 837 79 feet oil EBHFP-50# FB	1:10 P.M., inches wate feet oil ar and gas cut HF?-1:50# BH	8-3-53, or in 10 od gas mud ISIP-
	District Engineer				•	
I understand the	it this plan of work must recei	ive approval in wri	ting by the Geologic	al Survey before oper	ations may be com	menced.
Company	198:					
	Murphy Corporati	on.	•			,
Address	90x 76				0	
				ms V		
	oplar Hontana		By ,	11/16	Janel	<u></u>
					P	
	. []		Title.) ; Venera l Total de la Cental Y

U. S. GOVERNMENT PRINTING OFFICE

(SUBMIT IN TRIPLICATE)

UNITED STATES DEPARTMENT OF THE INTERIOR GEOLOGICAL SURVEY

Lease No. 31 Na A = 0123

Unit ... Fest Poplar

					/ west 2 12 h
SUNDRY	NOTICES	AND	REPORTS	ON	WELLS

	11 5411- 5 1057
NOTICE OF INTENTION TO DRILL SUBS	EQUENT REPORT OF SHOOTING OR ACIDIZING GLOLOGICAL TO HELD
NOTICE OF INTENTION TO RE-DRILL OR REPAIR WELL	EQUENT REPORT OF ABANDONMENT
NOTICE OF INTENTION TO ABANDON WELL.	

(INDICATE ABOVE BY CHECK MARK NATURE OF REPORT, NOTICE, OR OTHER DATA)

		August-3,, 193
Well No26 is located	1 .1980 ft. from [N] line and198	0 ft. from (E) line of sec23
-C-2AVI : 121/1: 202- 53	-26 _{(T} V _{p.)} (50,8	Terange
-Bast-Pop (1966)	(County of Stibility Islan)	- Portellite or Territory)
The elevation of the darrick fl	oor above sea level is 2181 ft.	Approved _AUG_10_1953:
	DETAILS OF WORK	District Engineer

(State names of and expected depths to objective sands; show sizes, weights, and lengths of proposed casings; indicate mudding jobs, cementing points, and all other important proposed work)

E.P.U. No. 26, 5768 feet. DET No. 2 with Johnston. 5750 to 5773. Straddle peckers, inch bottom choke, no water cushion. Open tool at 11:20 A.M. for 2 hours. Closed 20 minutes. Tool open with fair blow (hottom 5 gal. bucket 8 minutes), increased to good blow in 10 minutes, continued rest of test. Eccovered 279 feet maddy salt sulphur water with trace of cil. 1570 feet salt sulphur water with trace of cil. 1570 feet salt sulphur water. Chl. 95,000 PPN. IBHPP-O, FOHFP-1200, BHSIP-2800 lbs., Hydro. 3300. Bottom packer held okey. DET No. 3 with Johnston. 5731 to 57hh, inch bottom choke, no water cushion. Open tool at 1:05 A.M. for h hours. Closed 20 minutes. Tool open with weak blow (under 3 inches water). Cas 1828 from surface. Escovered 62 feet clean cil. 93 feet maddy salt sulphur water with trace of cil. 121 feet salt sulphur water. Chl. 65,000 PPN. No flow pressure. Clock stopped. BMSIP-2600 lbs., Hydro.-3300 lbs. Going in hole with bit.

I understand that this plan of work must receive approval in writing by the Geological Survey before operations may be commenced.

Company Hurphy Corporation

Address By Manney

Title Assistant District Production Supt

U. S. GOVERNMENT PRINTING OFFICE

10-8437-

(SUBMIT IN TRIPLICATE)

UNITED STATES DEPARTMENT OF THE INTERIOR GEOLOGICAL SURVEY

Lease No. ... East Poplar

TRECEIVED.

AUG 3: 1950

	Control Schal
NOTICE OF INTENTION TO CHANGE PLANS	SUBSEQUENT REPORT OF WATER SHUT-OFF BILLINGS - HONG IN SUBSEQUENT REPORT OF ALTERING CASING

(INDICATE ABOVE BY CHECK MARK NATURE OF REPORT, NOTICE, OR OTHER DATA)

	•	·	10
	•	July 29,	' ' ' ' 53
Well No26is located	$1{1980}$ ft. from. $\begin{cases} N \\ S \end{cases}$ line a	and 1900 . ft. from $\begin{cases} E \\ W \end{cases}$ line of sec.	23
C SWALESTATES CON 23	(ாதி) [] (இந்தி)), LT(Wildien]	
Paut Pontam	Koosaawa Lar Bubdivision)	Contains or Territory)	
The elevation of the deriver fl	oor above sea level is -218:	₁ ft.	
	DETAILS OF W	ORK ·	

(State names of and expected depths to objective sands; show sizes, weights, and lengths of proposed casings; indicate mudding jobs, comenting points, and all other important proposed work)

E.P.U. No. 26. D.S.T. No. 1 with Johnston tool. 5620' to 5629', straddle packers, and bottom choke, no unter cushion. Open tool at 5th7 P.M. for h hours, closed 20 minutes. Open with good blow (bottom 5 gal. bucket h minutes) good blow throughout test. Oss to surface 2 3/h hours. Reversed out 1h00' clean oil, 2500' salty sulphur water with good show of oil, 1h07' salty sulphur water with trace of oil, chloride 97,000 PPM. IBHFP-250#, FBHFP-2300#, BHSIP-2900#, Hydro. 3250#.

Approved ALIG 10 1959 (Orig. Sgd.) H. H. PERRIGO

i understand that this plan of wo	irk must receive approval i	n writing by the Geol	iogical Survey before	operations may i	se commenced.
					•

Company		
Company	Hurphy Corporation	
Address		,
	Box 76	ω
	Poplar, Montana	By Marcol District Production Supt.
•	robrar, noncaus	District Production Supt
		Title

Form 9-881a (Feb. 1951)



(SUBMIT IN TRIPLICATE)

UNITED STATES DEPARTMENT OF THE INTERIOR GEOLOGICAL SURVEY

Lease No. HIMA 012215
Unit East Paplar

	RECEIVED
SUNDRY NOTICES AND R	
NOTICE OF INTENTION TO CHANGE PLANS	QUENT REPORT OF WATER SHUT-OFF QUENT REPORT OF SHOOTING OR ACTOR 100 - 1111 -
NOTICE OF INTENTION TO SHOOT OR ACID	MENTARY WELL HISTORY
(INDICATE ADILVAND SABCEONSERVATION COMP	ARTINI NOTICE, OR OTHER DATA)
OF THE STATE OF MONTANA	
BITTINS	June 5 , 1953 .
Well No. 26 is located 1980 ft. from [N] line	e and 1980 ft. from $\left\{\begin{array}{c} E \\ \end{array}\right\}$ line of sec. 23
C SW/L HE/L Sec. 23 28H 51E (1/2 Sec. and Sec. No.) (Twp.) (Range)	(Meridian)
Rect Popler Rosswell (County or Subdivision)	(State or Territory)
The elevation of the derrick floor above sea level is	ft.
DETAILS OF V	VORK
(State names of and expected depths to objective sands; show sizes, weights,'s ing points, and all other imports	nd lengths of proposed casings; indicate mudding jobs, coment- nt proposed work)
9 5/8 inch surface pipe will be set at 1000 The total depth is expected to be 6000 feet horison Jound in the Madison formation. 58 set at the total depth, camented with 250 se will be provided and inspected regularly.	so as to evaluate the producing inch production string will be
THE SHEET SUBJECT TO COMPUTEDIS HE THAT	APPROVED AS OF 6/8/37
(Grig. Sad.) H. H. PERRIED	OIL & GAS SUPERVISOR
PRITITION ENGINEER JUN 8 - 1953	OIL AND GAS CONSERVATION COMMISSION OF THE STATE OF MONTANA
I understand that this plan of work must receive approval in writing by the	ne Geological Survey before operations may be commenced.
Company Hurphy Corporation	
Address Box 76	
Popler, Hontana	By Marala milan

Title District Production Supt.

FEDERAL LAND

CONDITIONS OF APPROVAL

- i. The lessee or operator shall mark the derrick or well in a conspicuous place with the name of the operator, well number, the land office and serial number of the lease, and location of the well and shall take all necessary precautions to preserve these markings.
- 2. A conductor or surface string of casing shall be run and cemented from bottom to surface unless other procedure is expressly authorized by this approval. The conductor or surface string shall be of sufficient weight and length and have installed thereon the proper and necessary high pressure fittings and equipment to keep the well under control in case an unexpected flow of gas, oil or water is encountered.
- 3. All showings of oil or gas are to be adequately tested for their commercial possibilities. All showings shall be properly protected by mud, cement, or casing so that each showing will be confined to its original stratum. Necessary precautions shall be taken to prevent waste or damage to other minerals drilled through and the U. S. Geological Survey, upon request, shall be furnished with carefully taken samples of such minerals as coal, potash and salt.
- 4. Lessee's Monthly Report of Operations (Form 9-329) shall be filed in duplicate with the office of U. S. Geological Survey, P. O. Box 400, Casper, Wyoming, not later than the sixth of the succeeding month. The report should show for this well any change of status occurring within the particular month such as date drilling commenced, suspended, resumed or completed, total depth as of the end of the month, and if shut down the reason therefor.
- 5. Two copies of the log of this well on Form 9-330, or other acceptable form and when available two copies of all electrical logs, directional, diameter and temperature surveys of the hole shall be filed with the district engineer within 15 days after such information is received by operator on completion of the well whichever is earlier.
- 6. The District Engineer,

 , shall be notified on Form 9-33la in triplicate giving thereon all necessary details of the proposed operation or test for proper consideration and action sufficiently in advance of making casing or formation tests, shooting or acidizing, running or cementing casing, other than the surface or conductor string, to permit approval of the notice prior to date of proposed

work.

(SUBMIT IN TRIPLICATE)

UNITED STATES

	GEOLOGIC	OF THE INTERIOR	
SUNDRY N		CAL SURVEY	
SUNDRY N			RECEIVED
SUNDRY N			W.L.
	OTICES AND	D REPORTS O	JUL AL
OTICE OF INTENTION TO DRILL		SUBSEQUENT REPORT OF WATE	ER SHUT-OFF GEOLOGICAL ST
OTICE OF INTENTION TO CHANGE PLAN		SUBSEQUENT REPORT OF SHOO	TING ON ACTOIZING BILLINGS, MONTH
OTICE OF INTENTION TO TEST WATER S OTICE OF INTENTION TO RE-DRILL OR	l l	SUBSEQUENT REPORT OF ALTER SUBSEQUENT REPORT OF RE-DE	RING CASING
OTICE OF INTENTION TO SHOOT OR AC		SUBSEQUENT REPORT OF ABAN	
OTICE OF INTENTION TO PULL OR ALT		SOPPLEMENTARY WELL HISTOR	
TICE OF INTENTION TO ABANDON WE	N R M R I A R		
	11-31-27-1-53		449
(INDICATE A	NBOVE BY CHECK MARK WATE AND BAS CONSERVATION CO	URE OF REPORT, NOTICE, OR OTHE IMMICCION	ER DATA)
	ATKOM TO STATE OF MONTA	LWA	
	BILLINGS	July .	.15,"19
	0	ND .	(E).
ll No. <u>26</u> is located	1980 ft. from.	} line and 1980 ft. f	rom in line of sec. 23
		_	
(14 Sec. and Sec. No.)	(Twp.) (Rang	R Principel (Meridian)	······································
st Poplar	Roosevelt (County or Sub		ntana
(Field)	(County or Sub	division)	(State or Territory)
ground e elevation of the derrick flo	or above see level i	10 7 18/ft	•
e elevation of the deflick he	or above sea lever i	3 IC.	
	DETAILS	OF WORK	
te names of and expected depths to ob	jective sands; show sizes, we lng points, and all other i	sights,'and longths of proposed c important proposed work)	ensings; indicate mudding jobs, com
Bo. 26 Spudded 3:00	A.N., 9-8-53.	Man 25 Joints, (100	01.55'), 9 5/8 inch,
	Class A Rosme (Creing. Lawled 12	Cond halos WE wilde
1-55, 8 rd. thd., R-3,	JION K BEERF COM	stralisers at 770;	and DOLL SE BALL SY
TORE DECA AT INTES	Of GOOT and Of	BOT . Claricana and Ala.	100
Clex scretchers at \$3	U ASSUUT ADA 9	50 . Cement with	LOO pay Atlan Billion
Car scretchers at 83	000,1bs. Release	sed pressure. Held	LOO pay Atlan Billion
Flox scratchers at 83 Basped plug with 1 cement to surface. P	000 lbs. Relead	50 . Cement with	LOO pay Atlan Billion
New scratchers at 83 hunged plug with 1 cement to surface. P	000,1bs. Release	sed pressure. Held	LOO pay Atlan Billion
Approved	000 lbs. Relead	sed pressure. Held	LOO pay Atlan Billion
Approved	27 1953	sed pressure. Held	LOO pay Atlan Billion
Approved (Gig. Sgd.) H. II.	27 1953	sed pressure. Held	LOO pay Atlan Billion
Approved (Gig. Sgd.) H. II.	27 1953	sed pressure. Held	LOO pay Atlan Billion
Approved (Gig. Sgd.) H. II.	27 1953 Pennico	sov, Cement with A sed pressure; Held DP,M, 7-10-53;	LOO pay Atlan Billion
Approved (Grig. Sgd.) H. II. District Enotes understand that this plan of work many	27 1953 Pennico	sov, Cement with A sed pressure; Held DP,M, 7-10-53;	400 sax Atlas Bulk d OK. Circulated
Approved (Grig. Sgd.) H. II. District Enotes understand that this plan of work many	27 1953 Pennico	sov, Cement with A sed pressure; Held DP,M, 7-10-53;	400 sax Atlas Bulk d OK. Circulated
Approved (Grig. Sgd.) H. II.	27 1953 Pennico	sov, Cement with A sed pressure; Held DP,M, 7-10-53;	400 sax Atlas Bulk d OK. Circulated
Approved (Gilg. Sgd.) H. II. District Enote understand that this plan of work mu	27 1953 Pennico	sov, Cement with A sed pressure; Held DP,M, 7-10-53;	400 sax Atlas Bulk d OK. Circulated

(SUBMIT IN TRIPLICATE)

UNITED STATES DEPARTMENT OF THE INTERIOR **GEOLOGICAL SURVEY**

Land Office . B1.1.11ngs. Lease No. BIN-A #012215

Unit Bast Poplar

SUNDRY NOTICES AN	D REPORTS ON WELLS! IS 19 1953
NOTICE OF INTENTION TO DRILL.	SUBSEQUENT REPORT OF WATER SHUT-OFF
NOTICE OF INTENTION TO CHANGE PLANS.	SUBSEQUENT REPORT OF SHOOTING OR ACIDIZING.
NOTICE OF INTENTION TO TEST WATER SHUT-OFF.	SUBSEQUENT REPORT OF ALTERING CASING
NOTICE OF INTENTION TO RE-DRILL OR REPAIR WELL.	ii
NOTICE OF INTENTION TO SHOOT OR ACIDIZE	SUBSEQUENT REPORT OF ABANDONMENT
NOTICE OF INTENTION TO PULL OR ALTER CASING	SUPPLEMENTARY WELL HISTORY
NOTICE OF ENTENTION IS OF SHUDON WELL.	
AUG 2 2 199 BEATE DOVE BY CHECK MARK NAT	TURE OF REPORT, NOTICE, OR OTHER DATA)
OIL AND BAS CONSERVATION COMMISSION	. 10
OF THE STATE OF MONTANA	August 14;
Well No. 26 is located ft. from {	$\left\{\begin{array}{l} N \\ S \end{array}\right\}$ line and 1980. ft. from $\left\{\begin{array}{l} E \\ W \end{array}\right\}$ line of sec 23
G-SWALL MEAL SEASON, 23	E Pringland
Zast Popiping Rooseve toung or Su	bdivision) Fontquine or Territory)
The elevation of the HEALTH floor above sea every	/ ^{is} 2181 ^{- ft.}
\ details	OF WORK
(State names of and expected tepths to objective sands; show sizes, ving points and all other	veights, and lengths of proposed casings; indicate mudding jobs, coment- Important proposed work)
Log. Perforated C zone 5899 to 5908.5 with	ne Wells. Ran Gamma Ray Neutron and Collar :
messure. Ran 193 joints (5884.531), 2 3/8	inch, EUE, 4.70%, J-55, 8 rd. thde; R-27
Class A American Tuning with 3-42 perforati	ion. Mipple bull plugged. Landed 10.10
below muse, top joint tubing stary, tyr joint all pathons of Author(2000 of	ints tubing (5053-24). Perforated. Hipple
One to tast tout 1.00 AM to Cano AM The	Displaced mud with water, water with oil red 9 barrels displacement oil TSIP-875
Antidead C anne KROO to KOOR K with 1000 as	illons, 15 percent Regular Dowell acid. For
mation started taking acid at 1800# . Bign	laced 5 barrels per minute at 2000# 3 Bled
down to 800# and open to nit at Kith AM.	loved spent acid to surface 8 minutes. Free
ot 1 2h minutes - Open to test took 6.55 AM	40 percent water. Chl. 4,5000 PPM. 848-
is minutes test over flow. 55.50 hervale &	fild, 30 percent. 1 hour test, 14/64 choke,
30.00 basels finds of percent total	her d'aponighel interptourant part intoit cuoke i

at 9:15 AM, 8-8-53. Company Hurphy Corporation

Address90x 76

Approved.

Poplar, Hontana AUG 21 1953

(One Sed.) H. H. PERDIGO

Title District Production Supplement

(Feb. 1951)

(SUBMIT IN TRIPLICATE)

UNITED STATES DEPARTMENT OF THE INTERIOR GEOLOGICAL SURVEY

Lease No. BLM-A=012245... Unit East Poplar....

S	UNDRY	NOTICES	AND RI	EPORTS	ON WEL	LS	·
NOTICE OF INTENT	ION TO CHANGE FION TO TEST WAT ION TO RE-DRILL ION TO SHOOT (F) ION TO PULL OR ION TO ABANDON	PRINTER NELL DILLUIGS	ON COM 118510N	UENT REPORT OF UENT REPORT OF UENT REPORT OF UENT REPORT OF MENTARY WELL HI	WATER SHUT-OFF SHOOTING OR ACID! ALTERING CASING RE-DRILLING OR REF ABANDONMENT STORY		
	(INDICA	TE ABOVE BY CHECK M	IARK NATURE OF R	EPORT, NOTICE, OR	OTHER DATA)		
			•	Auguet	5,	, 1	9.53
Well No 26.	is loca	ted . <u>1980</u> ft. fr	om N line	and1980	ft. from $\{oldsymbol{E}\}$ li	ne of sec. 2	3 i
C SWAL MEAL	8ee 23	25 N	(Range)	Principa	1		
Bast Poplar		Roosevelt	, , ,	•		, ,, 	
		l floor above sea			(otali or ren	:	
	• • •	DET	TAILS OF W	ORK			•
(State names of and	expected depths t	objective sands; showing points, and	v sizes, weights,'ar all other imports:	nd lengths of propost st proposed work)	sed casings; indicat	mudding Jobs, c	ement-
lass "A" You the 5940 feet, 5921, 56871, 6201-56351; 19291-59301; 1th 27 Jel. 10:18 P.N., 6	I Larkin fi 5849, and 5722'-573 Cemented Bumped pl -4-53; Ur chlumberge Appr	joints (592 sing; landed lost coller 5 is 5928 120 is 5743 575 is with 250 co. with	12.00 fee 905.45 fee feet Howc 3'; 5761'- cks, 50% P 6. Release te pipe, s t. Casing	t below RR t. Four La o Roto-wal 5781*; 587; ozmix, 50% ed pressure tuck after	3 with Larki arkin centra 1 scratchers 3'-5899'; 59 Regular Ide 5, held okay checking bo	n float el lizers at 5599'-55 11'-5926' al cement Plug de ttom. No	lit,
	رنيت دي	District Engineer	-				:
Company		must receive approve	al in writing by th	e Geological Surve	y before operations :	nay be commend	ed.
Addman	Murphy Cor	poration					
Address	Box-76		••••	Ил	1 10/	フ	
	Poplar, K	ntan a	·	By ////	1 (Ja	mes	<u></u>
	· ,	. •:		Title			13 - 6
es de la companya de	•			ABB	District"	Production	1 5Uh

T28N

U. S. GEOLOGICAL SURVEY RECEIVEBUBMIT IN TRIPLICATE

APP 5 19 UNITED STATES
APPENDENT OF THE INTERIOR GEOLOGICAL SURVEY

BILLINGS, MONTANA

Budget Bureau No. 42-R358.4. Approval expires 12-31-60.

SUNDRY NOTICES AND REPORTS ON WELLS

			_
NOTICE OF INTENTION TO ABANDON WELL		HOTEMAGE BYREOLA AT	
NOTICE OF INTENTION TO PULL OR ALTER CASING		SUPPLEMENTARY WELL HISTORY. WORKOVER HISTORY #2	
		SUBSEQUENT REPORT OF ABANDONMENT	
NOTICE OF INTENTION TO RE-DRILL OR REPAIR WELL		SUBSEQUENT REPORT OF RE-DRILLING OR REPAIR	
NOTICE OF INTENTION TO TEST WATER SHUT-OFF		SUBSEQUENT REPORT OF ALTERING CASING.	
NOTICE OF INTENTION TO CHANGE PLANS		SUBSEQUENT REPORT OF SHOOTING OR ACIDIZING	
TOTICE OF INTENTION TO DRILL		SUBSEQUENT REPORT OF WATER SHUT-OFF	

		Apri	11 3	, 19. 62
Well No. 26	is located	ft. from line and	1980 ft. from (E) li	ne of sec. 23
C SW NE Section	23 28N	51R	M D M	
(14 Sec. and Sec. No. East Poplar) (Twp.)	(Range) Roosevelt	(Meridian) Montar	m TD
		e sea level is 2194 ft		R 6 - 1962
(State names of and expected	d depths to objective send ing point	DETAILS OF WORK as show sizes, weights, and length a, and all other important propo See Attached Sheet	he of proposed casings; indicated work) OIL AND GAS OF THE STAT	E OE WOULKHY COMMISSION

Approved ATR 51962 JORIG. SGD.] HILLARY A ODEN

Company .	MURPHY CORPORATION	
	P. O. Box 547	
	Poplar, Montana	By ORIGINAL SIGNED BY M. T. JAMES

,	4-04)		
, Po	Peb. 1	881 a 951) R.S	LE	
128 8		g	3	
٠.				

U. S. GEOLOGICAL SURVEY RECEIVEDUBMIT IN TRIPLICATE

SEPARTMENT OF THE INTERIOR GEOLOGICAL SURVEY

BILLINGS, MONTANA

Unit Rant Poplar

SUNDRY NOTICES AND REPORTS ON WELLS

NOTICE OF INTENTION TO DRILL		SUBSEQUENT REPORT OF WATER SHUT-OFF
NOTICE OF INTENTION TO CHANGE PLANS		SUBSEQUENT REPORT OF SHOOTING OR ACIDIZING
NOTICE OF INTENTION TO TEST WATER SHUT-OFF		SUBSEQUENT REPORT OF ALTERING CASING
NOTICE OF INTENTION TO RE-DRILL OR REPAIR WELL		SUBSEQUENT REPORT OF RE-DRILLING OR REPAIR.
NOTICE OF INTENTION TO SHOOT OR ACIDIZE		SUBSEQUENT REPORT OF ABANDONMENT.
NOTICE OF INTENTION TO PULL OR ALTER CASING		SUPPLEMENTARY WELL HISTORY
notice of intention to abandon well. (Темр.)	XX.	

NOTICE OF INTENTION TO SHOOT O	R ACIDIZE SUBSEQUENT REPORT	OF ABANDONMENT
NOTICE OF INTENTION TO PULL OR		. HISTORY
NOTICE OF INTENTION TO ABANDON	WELL (Temp.) XX.	
(INDIC	ATE ABOVE BY CHECK MARK NATURE OF REPORT, NOTICE,	OR OTHER DATA)
•		
,	September 21.	, 19 <u>62</u>
Well No. 26 is loca	ted 1980 ft. from [N] line and 1980	ft. from E line of sec23 E C E I V E I
		ECEIVE
(4 Sec. and Sec. No.)	Typ.) (Range) (M	eridian)
Esst Popler	ROCKEYELL (County or Subdivision)	Montena (17.7 1 1962
(Pleid)	(County of Subdivision)	(State or Territory) (.: 100 C'S CONSTRUATION COMMISSIO
The elevation of the derrick	c floor above sea level is2194 ft.	C. T. I
•	DETAILS OF WORK	
(State names of and expected depths t	o objective sands; show sizes, weights, and langths of ne	oposed casings; indicate mudding jobs, coment-
RFU #26 has been temporar	o objective sands; show sizes, weights, and lengths of pring points, and all other important proposed world manual description be pulled or well plugged until	depletion below economical
RPU #26 has been temporar limits. Casing will not are made to determine pos Completions have been att	tily abandoned due to production be pulled or well plugged until sible use as pressure maintenent compted &commide in the Legitowings	depletion below economical further evaluation studies are or 8. W. disposal well.
RPU #26 has been temporar limits. Casing will not are made to determine pos Completions have been att Parioxations	tily abandoned due to production be pulled or well plugged until sible use as pressure maintenent compted formade in the Legitowings Accum. Fred.	depletion below economical further evaluation studies are or S. W. disposal well. Intervals:
RPU #26 has been temporar limits. Casing will not are made to determine pos Completions have been att Perforations 5899+5908.5 (Completion)	tily abandoned due to production be pulled or well plugged until sable use as pressure maintenent compted commide in the Legitowings Actus. Frod. 113,775 BO, 875,407 BW	depletion below economical further evaluation studies are or S. W. disposal well. Intervals: Status Depleted & squeezed (WD \$1)
RPU #26 has been temporar limits. Casing will not are made to determine pos Completions have been att Parforations	tily abandoned due to production be pulled or well plugged until sible use as pressure maintenent compted formade in the Legitowings Accum. Fred.	depletion below economical further evaluation studies are or S. W. disposal well. Intervals:
HPU #26 has been temporar limits. Casing will not are made to determine pos Completions have been att Pariorations 3899-3908.5 (Completion) 3637-3638 (WO #1) 3626-3631 (WO #1) 3625-3630 (WO #1)	tily abandoned due to production be pulled or well plugged until sible use as pressure maintenent compted formade in the Legitowings Accum. Frod. 113,775 BO, 875,407 BW Mone Hone Hone	depletion below economical further evaluation studies are or 8. W. disposal well. Intervals: Status Depleted & squeezed (WD #1) Squeezed (WO #1) Squeezed (WO #1) Squeezed (WO #1)
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RFU #26 has been temporar limits. Casing will not are made to determine pos Completions have been att Perforations 5899+5908.5 (Completion) 5637-5638 (WO #1) 5626-5631 (WO #1) 5625-5630 (WO #1) 5608-5613 (WO #2)	eily abandoned due to production be pulled or well plugged until sable use as pressure maintenent sampted &comide in the Legitowings Accus. Prod. 113,775 BO, 875,407 BW Mone Hone 1281 BO, 9,434 BW	depletion below economical further evaluation studies are or 8. W. disposal well. Intervals: Status Depleted & squeezed (WD #1) Squeezed (WO #1) Squeezed (WO #1) Squeezed (WO #1)
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I understand that this plan of work must receive approval in writing by the	_ · · · · · · · · · · · · · · · · · · ·
Company Murphy Gerneration	62
Address P. Q. Box 547	DOEN
Address P. Q. Box 547 Popler, Hontana LORIG SGD, Hillary A.	By ORIGINAL SIGNED BY M. T. JAMES
	Title Field Production Supt.

GENERAL RULES 201, 202, 213, 216, 219, 233.1



(SUBMIT IN QUADRUPLICATE)

TO



NOTICE!
THIS FORM BECOMES A
PERMIT WHEN STAMPED
APPROVED BY AN AGENT

OIL AND GAS CONSERVATION COMMISSION OF THE STATE OF MONTANA BILLINGS OR SHELBY

OCT 1 1982

HE A I DAY CONSERVATION COMMISSION

SUNDRY NOTICES AND REPORT OF WELLS

	Notice of Intention to Drill		Subs	equent Report of	of Water Shut-off	THE STATE OF APATANA
	Notice of Intention to Change Plans		Subs	equent Report o	f Shooting, Acidizing, Ce	ementing
	Notice of Intention to Test Water Shut-of	1	Subs	equent Report	of Altering Casing	
	Notice of Intention to Redrill or Repair V	Well	Subs	equent Report o	of Redrilling or Repair	
	Notice of Intention to Shoot, Acidize, or	Cement	Subs	equent Report o	of Abandonment	
	Notice of Intention to Pull or Alter Casing	<u> </u>	Supp	lementary Well	History	
	Notice of Intention to Abandon Well (7	Temp.)	XX Repo	rt of Fracturing	.	
					,	
	(Indicate Abo	ve by Check Ma	ark Nature of	Report, Notice,	or Other Data)	
				Sei	ptember 21	19.62
	()	1			
Follo	owing is a { notice of intention to do w report of work done	on la	nd lease	d described	l as follows:	
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•••••	MONTANA		Roosevel	t	Ea	
	(State)		(Count	• 1		(Field)
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CEMENTING SERVICE TICKET

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CEMENTING SERVICE TICKET

No. **CS 825282**

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Form No. 2

(SUBMIT IN TRIPLICATE)

GENERAL RULES 201, 202, 213, 1 216, 219, 233, 1

THIS FORM BECOMES A PERMIT WHEN STAMPED APPROVED BY AN AGENT OF THE COMMISSION.

OIL AND GAS CONSERVATION COMMISSION OF THE STATE OF MONTANA

	BILLING	GS OR SHELBY .	REC	EIVEI	C
1 . 1	SUNDRY NOTICES	AND REPORT OF WE	LLS	Y 27 1955	_
Notice of Intention t	o Drill	Subsequent Report of Water S			}
Notice of Intention t	o Change Plans	Subsequent Report of Shooting	, Acidizine, Kaluftafin	ONSERVATION COMN	A SSION
Notice of Intention t	o Test Water Shut-of?	Subsequent Report of Altering			
Notice of Intention t	o Redrill or Repair Well	Subsequent Report of Redrillin	g or Repair		1
Notice of Intention t	o Shoot, Acidize, or Cement	Subsequent Report of Abandor	smenf		
Notice of Intention t	o Poll or Alter Casing	Supplementary Well History		х	ì
Notice of Intention t	o Abandon Well	Report of Practuring			1
· · · · · · · · · · · · · · · · · · ·	(Indicate Above by Check Mark	Nature of Report, Notice, or Other	Data)	ţi.	-
•	·		May 23	•• ;;	55
Following is a { notice report	of intention to do work on land {		s: M-A-012245 (I	; E•P•U•)	······································
MONT	ĄNAl	Roosevelt	East	Poplar	
(Star	e)	(County)		(Field)	
Wall No. 55	NW SW Section 23	28N	51E	M.P.M.	
Well 110	(m. sec.)	(Township)	(Range	Meridian	ı)
The well is located 198	$\{0, \dots, \{1, \{2\}\}\}\}$ of South 1	ine and 660 ft. E.	} of West	ine of Sec. 23	· · · · · · · · · · · · · · · · · · ·
The elevation of the deri	rick floor above the sea level is 22	301 к.в.	ļ	7	
READ CAREFULLY		F PLAN OF WORK		READ CAREF	
(State names of and expe all other important proposed	cted depths to objective sands; show size, weig work, particularly all details results Shooting.	hts, and lengths of proposed casin Acidizing, Fracturing).	gs; indicate mudding	jobs, cementing poi	nts, and
, ,		LS OF WORK RESULT	• ••		
Spudded at 9	9:00 P.M. 5-13-55. Ran 33	jts. 1046.86! of 9	-5/8" #36 . ;	J-55. R-2.	

Brd. thd. American Casing. Landed 11.25 below RKB and set at 1058.11. Cemented with 100 sacks of regular cement with 2 percent CaCl₂. Plug down at 12:40 A.M. 5-15-55. Bumped plug with 1000#. Released pressure. Float held OK. Circulated approximately 50 sacks of clean cement.

APPROVED USGS 5-31-55

ATT DOMEO SUBJECT TO CONSIDER OF SHOUR CH	Providence
Approved 6-1-55	
	By Harold Milam How Milau
Title	Title Division Production Superintendent
District Office Agent	Address.B-13.Behner.Bldg.,Billings,Mont

NOTE:-Reports on this Form to be submitted to the District Agent for Approval in Triplicate.



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THE NOTICE OF INTENTION TO DRILL THIS WELL IS APPROVED SUBJECT TO THE FOLLOWING CONDITIONS:

- 1. Any person, before commencing the drilling of any dil or gas well, shall secure from the compission a drilling permit and shall pay to the commission therefor the following amounts: for each well whose estimated depth is thirty-five hundred (3500) feet or less; twenty-five dollars (\$25.00); from thirty-five hundred and one (3501) feet to seven thousand (7000) feet, seventy-five dollars (\$75.00); seven thousand (7000) feet and deeper, one hundred fifty dollars (\$150.00).
- 2. No well is to be spudded in unless the proper surety drilling bond has been posted and approved by the Oil and Gas Conservation Commission of the State of Montana.
- 3. Cable tool operators must construct an adequate sump to contain all mud and water bailed from the hole,
- 4. Surface or conductor casing must be properly cemented by an approved method to uct as a tie in case an unexpected flow of oil, gas, or water should be encountered, unless special permission has been granted for formation shut-off.
- Any contemplated change in status of a well such as to plug and abandon, deepen, plug back, redrill, alter casing, etc., must be presented on Sundry Notices
 and Report of Wells form for approval by agent prior to commencement of work.
- 6. All substantial showings of oil or gas must be tested for commercial possibilities before drilling ahead. Each such showing must be adequately protected by casing, mud or cement, as drilling progresses.
- 7. The production string must be cemented unless a formation shut-off or packer is approved by the agent. Sufficient cement must be used to protect the casing and possible productive formation exposed in the process of drilling not otherwise protected.
- 8. All production strings of casing must be tested by balling or pressure to determine if there is a tight bond with the formation or possible leaks in the casing.

 The results of the test must be reported on Sundry Notices and Report of Wells form, said report to include the size, weight, thread and length of casing, amount of cement used, and date work is done. If test shows failure, the defect must be corrected before any drilling operations are resumed.
- 9. A satisfactory drilling record must be kept for each tour, showing top and thickness of each and all formations drilled and all other information of value, one copy of which is to be kept at the rig white drilling is in progress for examination when an agent visits the well.
- 10. All producing wells must be marked with name of the operator, number of the well, and location, using reasonable precautions to preserve these markings at all times.
- 11. Copies of all directional surveys, electrical logs, or tops from electrical log if electric survey is run, formation tests, and cementing record, as furnished by the cementing company, etc., must be filed with the State agent of the district together with four copies of the log, upon completion of the well.
- 12. All work must be done in conformity with the regulations of the Oil & Gas Conservation Commission of the State of Montana, as contained in "General Rules and Regulations," and amendments thereto, as well as regulations prescribed in lieu thereof.

COMPLETION DATA

DIC THE BAS CONSERVATION COMMISSION OF THE STATE OF MONTANA - BILLINGS

Ran 33 jts. 1046.86 of 9-5/8 36#, J-55, R-2, 8rd. thd. American casing. Lended 11.25 below RKB and set at 1058.11. Cemented with 100 sacks of regular cement with 2 percent CaClo. Plug down at 12:40 A.M., 5-15-55. Bumped plug with 1000%. Roleased pressure. Float held OK. Circulated approximately 50 sacks of clean cement.

Ran 187 jto. 5922.601 of 5-1/2", 15.50%, J-55, Brd. thd., R-2 American casing, landed 9.90' below RKB. Houco fill-up shoe at 5932.50', buffle coller et 5897.254. 1154 of Houco Roto-Wall scratchers at 5636 to 5671, 5770 to 5931; 5 Howco centralizers at 5620, 5710, 5840, 5880, and 5920. Cemented with 300 sacks Ideal bulk cement with 2 percent gel. Bumped plug with 1000%. Float would not hold. Pipe rotated free throughout cementing. Plug down at 1:12 P.M., 6-3-55.

COMPLETION: Ren 2 3/8" tubing to 5872.80". Displaced mud with water, water with oil. Perforated "C" Zone 5920 to 5925 . 5 jet per foot with Lane Wells 1 3/4" gun. Ran through tubing 30 minutes. TSIP 300 pounds, CP 300 pounds. Open to pit h hours. Flow decreased to small stream, tested in test tank, flow rate open flow 68 BOPD, no water, circulated clean oil out of tubing, no water. Purped clean oil in formation 8 gallons per minute at 2500 pounds pressure. Tested 12 hours open flow. flow rate 86 DOPD, no water. TFP 0, CP 25. Last 2 hour test before MCA treatment flow rate 80 EOFD, no water. TFP 0 pounds, CP 25 pounds. Treated with 500 gallons Howco MCA, 1900 pounds maximum pressure. Injection rate 2 BITI 11:00 pounds min. pressure. Flowed MCA to surface, 10 minutes. 85 percent salt water. Followed MCA increased to 92 percent. Chlorides 34,000 PPM. Conditioned and 10.4 to kill well. Ren Howco type C producing packer set at 58951. Would not set lower, displaced mud with water, unter with oil, broke formation with oil 1400 pounds pressure DOC squeezed with 100 sacks slo-set cement. Maximum pressure 400 pounds. Held 30 sacks in formation, reversed out 70 sacks. Job complete 7:00 P.M., 6-8-55. Stung back into packer and swabbed approximately 15 bbls, of displacement oil. Swabbing machine broke down. Attempted to run Lane Wells 1 3/4" tubing gun, it stopped at 5000. Apparently on DOC slurry. Circulated out oil and DOC slurry. Went in hole with 1 3/4" tubing gun. Would not go to bottom through tuling. Drillod out packer to 5928 . Porforated C Zono 5920 to 5927.5° with 40 bullets with Lane Wells 4" gun. Swabbed. Ran tubing. Displaced mud with water, water with oil. Flowed small stream size of pencil. Strabbed 57 bbls. of displacement oil showing small amount of gas while pulling swab. No water. Swabbed down to 5000. Set 1 hour. no fluid rise. Loaded hole with oil. Pressured up with 3200 pounds. Pressure held for 30 minutes formation would not take fluid. Reperforated C Zono 5917.5 to 5927.5 with Lane Wells 1 3/4" gun through tubing with 5 jts. per fcot. Pressured up to 3300 pounds. Formation would not take fluid. Acidized C 5917.50 to 5927.50 with 250 collons.

Dowel regular 15 percent acid, maximum pressure 2000 pounds. Injected 1/2 bbl. acid in formation after soaking 90 minutes. No formation break. Flowed unspent acid to surface 115 minutes. Flowed acid and cut oil 30 minutes. Reversed out tubing to clean. Flowed at the rate of 206 bbls. of fluid in 24 hours with an average water cut of 5 percent with 150 pounds TFP and 175 pounds CFP on a 1/4" choke. CSIP 875 pounds, TSIP 850 pounds.

ELECTRO LOG DATA

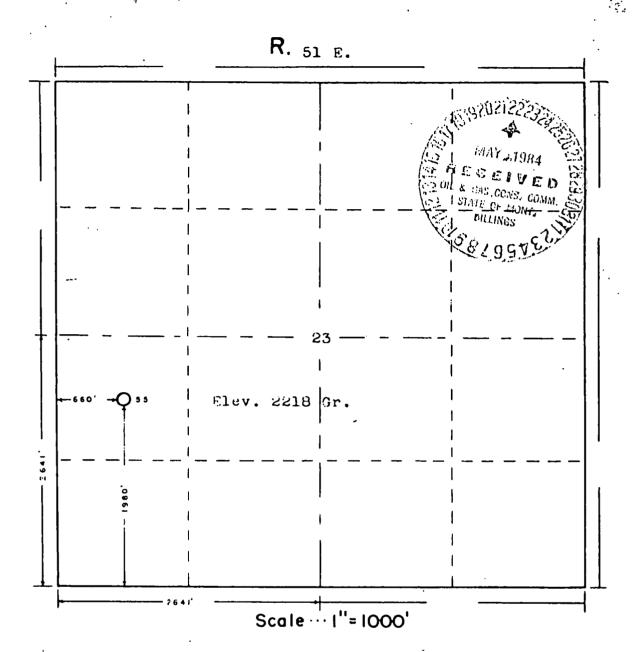
LOG TOPS

Eagle1257	(+ 073)
Niobrara2133	
Greenhorn21,74	(- 51111)
Graneros2687	
Middy Sandstone3050	
Dakota Silt3264	(-1.034)
Swlft3773	(-15/13)
Vanguard	
Rierdonli236	
Piper Shale	
Piper Limestone	
Gypsum Springs4553	
Spearfish1758	
Amsden	(~2634)
Heath4994	(-2764)
Otter5119	(-2919)
Kibbey Sandstone5287	(-3057)
Kibbey Limestone5445	(-2215)
Madison5533	
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DRILL STEM TESTS

- D.S.T. #1: 5641'-5655' straddle packers 1/2" choke, no WC, tool open 3 hours, closed 20 minutes, tool open with weak blow, died in 1 hour and 40 minutes, recovered 30'salt water, very slight show oil; 270' salt water. IMFP--15#; FMFP--130#; MSIP--2450#; Hydro--3090#. Bottom packer held.
- D.S.T. #2: "B-2" Zone, 5785-5800', single packer 1/2" bottom cheke, no WC, tool open 4 hours, closed 20 minutes, tool opened with good blow continued throughout test. Recovered 3400' salt water.

 IMFP--15#; FMFP--1552#; MSIP--2745#; Hydro--3140#; Conditioned hole.
- D.S.T. #3: "B-1" Zone, 5772'-5782', straddle packers 1/2" bottom choke, no WC. Tool open h hours, closed 30 minutes, tool open with weak blow for 150 minutes, dead rest of test. Recovered 180' slightly oil cut mad, no free water, IMFP--15#; FBHFP--5!#; BHSIP--610#; Hydro--3130#.
- D.S.T. #4: 5924-5937, 1/2" bottom choke, no WC. Tool open 160 minutes, closed 30 minutes, gas to surface 45 minutes, oil and gas cut mud 145 minutes, flowed oil and gas out mud 10 minutes. Clean oil 5 minutes. Recovered 5410' clean oil, 500' oil and gas cut mud, 210' salt water. IEHFP--100%; FEHFP--2248#; EHSIP--3018#; Hydro--3385#.



T.

28 N:

Powers Elevation Company of Casper, Wyoming has in accordance with a request from Harold Milam for Murphy Corp.

Coation of #55 East Poplar Unit to be C-NW SW

Section 23 Township 28 N.

Range 51 E., Montana Principal Meridian

Rocsevelt County, Mont.

The above Plat shows the location of the well site in said section.

Powers Elevation Company by: Durell 1. White

Date: 5/11/55

Registered Land Surveyor

812

Form No. 4 (Gen. Rule 206.3 & 231)

LOCATE WELL CORRECTLY

GAS CONSERVATION COMMISSION F THE STATE OF MONTANA BILLINGS OR SHELBY

RECEIVED

JUN 3 0 1955

	MURPHY COI	OIT VHD	GAS CONSERVA	E ROHLYN/ TIOH CORWISSE	OG OF	WEL	L		ONSERVATION COMMISSION OF MONTANA - EILLINGS
Company_	MURPHY CO	RPORATION 0	F 1112	Lea)	Well No. 55
AddressB=	13 Behner B	ldg, Billi	ngs, Mon	tana	Field	(or Area)	East	Poplar Unit	
	located 198		1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1			(तीर)			
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Commence	d drilling Ma	ay 13	,	, 19.	55 ; Comp	leted	June 1	4	, 19_55
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	(oil well	, gas well, dry	hole)		Title	Divisio	n Produ	ction Superi	ntendent
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				CASINO	G RECORE	•			
Size Casing	Weight Per Ft.	Grade	Thread	Casing S	Set	From	To	Sacks of Cement	Cut and Pulled from
9-5/8"	36#	J-55	88	1058.1	1'			400	
5-1/2"	15,50#	J-55	8	5932.5	0!			300	
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From	То	Numbe Size an	d Type	From	То	_	Amoun Material		Pressure
5917.51	5927.51	1/2" jet		5917.5	5927,51	200	gallon:	acid	2000#
				-			1		
J	T :: 15 .	11.7		INITIAL P	RODUCTION		%A show	plugs above)	
Well is pro	ducing from_	Mad	Lson		_(pool) fo				
I. P 19	6t	parrels of oil	per 24	ho	ours	flowing or flow	ing)		
Neg	ligible N	Mcf of gas pe	T 900ay	hour			: 1		· 69 story
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INITIAL PRODUCTION—(Continued)

Initial 10-day	average production_	108.40	(bbl./day) ((if taken)	
Pressures (if	measured): Tubing_	150	psi flowing;	850	psi shut-in
•				875	psi shut-ir
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TOO INTEREST

DRILL STEM TESTS

D.S.T. No.	From	То	Tool Open (Min.)	Shut-In	F.P.	8.I.P.	Recovery	Cushion
1	5641	5655	180	20	130_	2450	30' salt water, slight show	of_oil
							270' salt water	
2	_5785_	5800	240	20	1552	2745_	3400' salt water	
3	5772	5782	240	30	54_	610_	180'_slightly_oil-cut_mud	
41	5924	5937	160	3.0	2248	3018_	5410! clean oil, 500! oil-ga	s-cut mu

LOGS RUN

Туре	Intervals ,				
	From	То			
Schlumberger Electrical Log 2"	1057'	5931'			
Schlumberger Electrical Log 5"	2000*	5931'			
Schlumberger Microlog 5"	2000!	5929!			
Schlumberger Microlog 25"	5400	59291			

FORMATION RECORD

	To	CAMPLE AND CORE A	NA AND DECOMPONION	<u>.</u>	
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